Yahoo Group Archive:
n2adr-sdr

Yahoo Group summary: N2ADR-SDR / HiQSDR Transceiver

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2011-01-28 through 2018-08-02

Source WARC: n2adr-sdr.W863xYW.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-09-05T20-23-04Z-0a8f9c

Messages included in this PDF: 2547

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

15. This group...

Yahoo group: n2adr-sdr
Date: 2011-01-28 20:44:04 UTC
From: Mario
Topic: 15 Message: 15

Dear all,

due to an "accident" the messages in this group were deleted. Fortunately there was not too much information in there ;)

So i post the most important information again:
This group is about the fully digital transceiver designed by Jim, N2ADR. This frontend uses direct A/D to sample the RF spectrum between DC and 60MHz and D/A conversion to generate RF signals.

The frontend can directly interface with quisk which is also developed by N2ADR.

Jim published all the design data and the sourcecode for free usage.
DL7LA and DL7IY did experiments with Jims design and published an article in the german "Funkamateur" 10/08.
Helmut, DB1CC did a complete new design of the PCB with 4 layers which should make reproduction more easy and stable.

This group should be used to share knowledge about the design and help with the bringup.

There are informations about the DL7LA/DL7IY board which can be used to get an overview how the complete things work together.

Helmut will publish his design as well. Some layout screenshots are already available in the files section.

Please feel free to tell your questions.

73
Mario, DH5YM

16. Group for german language discussions created.

Yahoo group: n2adr-sdr
Date: 2011-01-28 21:02:05 UTC
From: Mario
Topic: 16 Message: 16

Since there are several people who prefer to discuss on this topic in german language i created a second group "n2adr-sdr-deutsch".
If there are discussions of publich interest i will translate the most important information and post it here.

regards
Mario, DH5YM

17. HiQTRX Board has arrived!

Yahoo group: n2adr-sdr
Date: 2011-01-29 12:36:22 UTC
From: Helmut Goebkes
Topic: 17 Message: 17

Hello Group!

The 1st Board of the HiQTRX has arrived! I have posted a
photograph of the Board to the files group.
I will assemble and test the board next few days and
keep you informed!

Helmut, DB1CC

18. Re: This group...

Yahoo group: n2adr-sdr
Date: 2011-02-10 15:15:43 UTC
From: Dominic
Topic: 15 Message: 18

What is the link to the PCB order page?

Dom
--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Dear all,
>
> due to an "accident" the messages in this group were deleted. Fortunately there was not too much information in there ;)
>
> So i post the most important information again:
> This group is about the fully digital transceiver designed by Jim, N2ADR. This frontend uses direct A/D to sample the RF spectrum between DC and 60MHz and D/A conversion to generate RF signals.
>
> The frontend can directly interface with quisk which is also developed by N2ADR.
>
> Jim published all the design data and the sourcecode for free usage.
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> This group should be used to share knowledge about the design and help with the bringup.
>
> There are informations about the DL7LA/DL7IY board which can be used to get an overview how the complete things work together.
>
> Helmut will publish his design as well. Some layout screenshots are already available in the files section.
>
> Please feel free to tell your questions.
>
> 73
> Mario, DH5YM
>

19. Re: [n2adr-sdr] Re: This group...

Yahoo group: n2adr-sdr
Date: 2011-02-10 18:06:33 UTC
From: Mario Roessler
Topic: 15 Message: 19

Hi Dominik,

the DL7LA/DL7IY PCB can be ordered at www.hofmannlp.de.
You need the name of the PCB project: "Transceiver_iy", and the archivenumber: "134948".
Be aware that this is the PCB that is similar to the original N2ADR PCB design.
See http://www.mydarc.de/dl7la/ (in german language). Tell me if you need further help there.

The PCB from DB1CC Helmut is not available yet since it is in prototyping stage.
My recommendation would be to wait for this new PCB, but it is up to you.

regards
Mario

--- On Thu, 10/2/11, Dominic <dombaines@...> wrote:

From: Dominic <dombaines@...>
Subject: [n2adr-sdr] Re: This group...
To: n2adr-sdr@yahoogroups.com
Date: Thursday, 10 February, 2011, 16:15

What is the link to the PCB order page?

Dom

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:

>

> Dear all,

>

> due to an "accident" the messages in this group were deleted. Fortunately there was not too much information in there ;)

>

> So i post the most important information again:

> This group is about the fully digital transceiver designed by Jim, N2ADR. This frontend uses direct A/D to sample the RF spectrum between DC and 60MHz and D/A conversion to generate RF signals.

>

> The frontend can directly interface with quisk which is also developed by N2ADR.

>

> Jim published all the design data and the sourcecode for free usage.

> DL7LA and DL7IY did experiments with Jims design and published an article in the german "Funkamateur" 10/08.

> Helmut, DB1CC did a complete new design of the PCB with 4 layers which should make reproduction more easy and stable.

>

> This group should be used to share knowledge about the design and help with the bringup.

>

> There are informations about the DL7LA/DL7IY board which can be used to get an overview how the complete things work together.

>

> Helmut will publish his design as well. Some layout screenshots are already available in the files section.

>

> Please feel free to tell your questions.

>

> 73

> Mario, DH5YM

>

20. new version of QUISK

Yahoo group: n2adr-sdr
Date: 2011-02-15 20:00:02 UTC
From: Mario
Topic: 20 Message: 20

```
Hi,

Jim released a new version of quisk.

Copy and paste from the changelog:

-------------
Quisk Version 3.5.1 February 2011
================================
The phase correction control has been improved to allow multiple correction
points per band. Unfortunately this will require re-entering corrections.

I added mic_preemphasis and mic_clip to the config file to control Tx audio processing.
----------------

regards
Mario
```

21. HiQSDR Board assembled and partially tested!

Yahoo group: n2adr-sdr
Date: 2011-02-19 17:43:15 UTC
From: Helmut Goebkes
Topic: 21 Message: 21

Hi group

(you will find the pictures of the board in the 'files' area)

i got some time to assemble the board an make some pretests
on power, sequencing, RF preamplifier and network - seems to be ok.
Power consumtion is currently 400mA / 6V, but there is nothing in the FPGA so the consumption will rise if FPGA is running at full speed;-))
The power sequencing seems to functional correctly, i did not found any latch-up of the ADC.

Now its time to syntetisize the Verlog Program from N2ADR and load it
in the FPGA next days....

Btw: Normally i solder such boards in my Reflow oven, but to test the
solderability for hand solder users, i do this job for this
Prototype board by hand. I had no problem at all, the 0603 R / C are
no problem, thanks to a little oversized Pads for these Parts i used.
"Most Fear" Chip, the 240-pin FPGA is VERY easy to solder, i need
just 12 Minutes to solder it and hab to remove just 2 solder bridges.
A good experienced Worker can assemble and solder the board in five to six hours.

73 de Helmut, DB1CC

22. Re: HiQSDR Board assembled and partially tested!

Yahoo group: n2adr-sdr
Date: 2011-02-19 19:43:30 UTC
From: Peter Horne
Topic: 21 Message: 22

Hi Helmut, Good work. I am very interested in purchasing 1 of these boards, when you have finished testing them.
73's Peter G3JRH

23. Code for ALTERA FPGA

Yahoo group: n2adr-sdr
Date: 2011-02-20 19:33:02 UTC
From: Yogy San
Topic: 23 Message: 23

Dear All,

Please tell me where i can find the code for the FPGA .
I have found only schematics and some pictures of the PCB.
It looks that is a very nice design but without the code for the FPGA the experiments and future research is stopped.
To start everithing from scratch is more complicated than worth and i belive there is a way to get the code and make future development using someting that is already working.

Have a nice day ,
Cristian

24. Re: Code for ALTERA FPGA

Yahoo group: n2adr-sdr
Date: 2011-02-20 19:48:26 UTC
From: Mario
Topic: 23 Message: 24

Hi Christian,

the FPGA sources are linked on N2ADR's page:
http://james.ahlstrom.name/transceiver/fpga.zip
(Just a tiny small link)

The design is written in Verilog.
Helmut already did a number of changes.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Yogy San" <yo3giv@...> wrote:
>
> Dear All,
>
> Please tell me where i can find the code for the FPGA .
> I have found only schematics and some pictures of the PCB.
> It looks that is a very nice design but without the code for the FPGA the experiments and future research is stopped.
> To start everithing from scratch is more complicated than worth and i belive there is a way to get the code and make future development using someting that is already working.
>
>
> Have a nice day ,
> Cristian
>

25. Can i get one completed??

Yahoo group: n2adr-sdr
Date: 2011-02-21 01:01:00 UTC
From: sstvqld
Topic: 25 Message: 25

Is anyone making these as a complete unit as i dont own a reflow oven

26. Re: [n2adr-sdr] Can i get one completed??

Yahoo group: n2adr-sdr
Date: 2011-02-21 01:17:03 UTC
From: Sid Boyce
Topic: 25 Message: 26

On 21/02/11 01:01, sstvqld wrote:
> Is anyone making these as a complete unit as i dont own a reflow oven
>

I haven't seen them offered as a kit of parts either, for me that would be nice as it removes the need to shop around for components.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

27. Re: Code for ALTERA FPGA

Yahoo group: n2adr-sdr
Date: 2011-02-21 10:01:31 UTC
From: Yogy San
Topic: 23 Message: 27

Hi Mario,

Thank you very much for the link.
I need to do some work now :)

Have a nice day,

Cristian.

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Christian,
>
> the FPGA sources are linked on N2ADR's page:
> http://james.ahlstrom.name/transceiver/fpga.zip
> (Just a tiny small link)
>
> The design is written in Verilog.
> Helmut already did a number of changes.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "Yogy San" <yo3giv@> wrote:
> >
> > Dear All,
> >
> > Please tell me where i can find the code for the FPGA .
> > I have found only schematics and some pictures of the PCB.
> > It looks that is a very nice design but without the code for the FPGA the experiments and future research is stopped.
> > To start everithing from scratch is more complicated than worth and i belive there is a way to get the code and make future development using someting that is already working.
> >
> >
> > Have a nice day ,
> > Cristian
> >
>

28. First light HiQSDR...

Yahoo group: n2adr-sdr
Date: 2011-02-23 13:47:28 UTC
From: Helmut Goebkes
Topic: 28 Message: 28

Hi group,

just before some minutes i got the first lifesign from the new HiSDR-Prototype. The board answers correct to a ping @ network address 192.168.2.196 ;-)) Seems that up to now the FPGA & LAN Part is working correct.

Now i have to configurate QUISK and start testing with QUISK...

73, Helmut, DB1CC

29. First Light HiQSDR successful!

Yahoo group: n2adr-sdr
Date: 2011-02-25 20:48:18 UTC
From: Helmut Goebkes
Topic: 29 Message: 29

Hi Group,

today, my new HiQSDR board had the first successful receiption of Signals.

See picture "First_Light_160m" in the files area of the HiQSDR.

This project is the best and interesting i had for a long time!

73, de Helmut, DB1CC

30. Re: [n2adr-sdr] First Light HiQSDR successful!

Yahoo group: n2adr-sdr
Date: 2011-02-25 20:56:27 UTC
From: Kaj Wiik
Topic: 29 Message: 30

2011/2/25 Helmut Goebkes <hgoebkes@...>
> Hi Group,
>
> today, my new HiQSDR board had the first successful receiption of Signals.
>
> See picture "First_Light_160m" in the files area of the HiQSDR.

Wow, congratulations!

> This project is the best and interesting i had for a long time!

Yes, this is the magic of open source! I have a number of ideas also.

Thanks for sharing!
Kaj OH6EH

31. Re: [n2adr-sdr] First Light HiQSDR successful!

Yahoo group: n2adr-sdr
Date: 2011-02-25 21:36:45 UTC
From: Sid Boyce
Topic: 29 Message: 31

On 25/02/11 20:48, Helmut Goebkes wrote:
> Hi Group,
>
> today, my new HiQSDR board had the first successful receiption of Signals.
>
> See picture "First_Light_160m" in the files area of the HiQSDR.
>
> This project is the best and interesting i had for a long time!
>
> 73, de Helmut, DB1CC
>

Excellent and congrats.
Today I started looking at the BOM, but need to study the rest of the
material in more depth.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

32. Re: First Light HiQSDR successful!

Yahoo group: n2adr-sdr
Date: 2011-02-26 09:47:23 UTC
From: Mario
Topic: 29 Message: 32

Hi Helmut,

congratulations !
Looking forward to see your first transmission tests.
I have to do a order for parts at digikey next time (also for my Charleston SDR PCB). There i will most probably also order the parts that are needed for your PCB.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> today, my new HiQSDR board had the first successful receiption of Signals.
>
> See picture "First_Light_160m" in the files area of the HiQSDR.
>
> This project is the best and interesting i had for a long time!
>
>
> 73, de Helmut, DB1CC
>

33. LNA oscillation problems with DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-02-27 17:39:39 UTC
From: Mario
Topic: 33 Message: 33

i am facing some serious oscillation problems with the original DL7LA/DL7IY PCB that i am still not able to fix.
I get a strong gaussian shaped noise on several frequencies e.g. 15, 30, 45... MHz that moves somehow with temperature of the circuit. The noise vanishs if i touch the LNA section with my fingers.
I already managed to relax the problem a bit by moving the ground pads of the capacitors of the filter at the output of the LNA to one side (away from the power supply filter) and i added 10pF before the 50Ohm series resistors. For a while i thought this solved the problem but now it is back again. Has anybody else seen this effect also ?
My assumption is that it is a oscillation of the LNA because of insufficient grounding but probably i am wrong.

In addition i uploaded some screenshots to the file section that show
different bands received here. They do not have anything todo with my "noise problem".

regards
Mario

34. Re: LNA oscillation problems with DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-02-28 11:48:05 UTC
From: Helmut Goebkes
Topic: 33 Message: 34

Hi Mario,

maybe the oscillation problem comes from a unsufficient GND-connected exposed Pad of the LNA. I had similay problems a year ago with a analog devices differential OpAmp.

hope this is helpful...

73!
Helmut, DB1CC

35. Re: LNA oscillation problems with DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-02 06:50:09 UTC
From: Mario
Topic: 33 Message: 35

Hi Helmut,

thanks for the info. Thats what i assumed. I will try to resolve the problem and give some hints afterwards.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
>
> Hi Mario,
>
> maybe the oscillation problem comes from a unsufficient GND-connected exposed Pad of the LNA. I had similay problems a year ago with a analog devices differential OpAmp.
>
> hope this is helpful...
>
> 73!
> Helmut, DB1CC
>

36. HiQSDR SSB Transmission is working

Yahoo group: n2adr-sdr
Date: 2011-03-03 08:09:56 UTC
From: Helmut Goebkes
Topic: 36 Message: 36

Hi Group,

with the windows version of Quisk a had a lot of problems producing SSB TX signals, because of sound errors. Jim (N2ADR) wrote, that the windows version is "Alpha", so i tried HiQSDR Hardware to operate with QUISK 3.5.1 in the LINUX Version and it works as RX without any sound problems.
As i have no experience with Linux, a friend of mine (DG7MGY, Hubi) a LINUX Expert, helped me yesterday to solve some problems defining the correct sound input for Quisk TX operation. After fiddling with some variables in the config.py (especially trying to find the correct PTT activation for SSB transission..), QUISK and HiQSDR works perfectly together. I had no problems to receive 960kHz of Bandwith without any interruptions and to produce a good quality SSB transmission. Next few days i will measure the transmission paramaters (IMD, SN a.s.o) of HiQSDR. I am very shure, that all is ok now and the project is nearly done (from my side ;-))

Quisk is working fine but lacks some features which (in my opinion) are important. Quisk should have a "zoom" facility for the Graph/Waterfall because some signals are too small(PSK, CW, faint signals) to be seen even in the smallest Bandwidth of 48KHz) and the Filter bandwith should be interactive adjustable down to (at least) 50Hz to improve receiption of very faint signals (like "Whisper", WSJT or similar) - lets see whats going on @ the community :-)

73 de Helmut, DB1CC

37. Re: [n2adr-sdr] HiQSDR SSB Transmission is working

Yahoo group: n2adr-sdr
Date: 2011-03-03 13:46:32 UTC
From: Sid Boyce
Topic: 36 Message: 37

On 03/03/11 08:09, Helmut Goebkes wrote:
> Hi Group,
>
> with the windows version of Quisk a had a lot of problems producing
> SSB TX signals, because of sound errors. Jim (N2ADR) wrote, that the
> windows version is "Alpha", so i tried HiQSDR Hardware to operate
> with QUISK 3.5.1 in the LINUX Version and it works as RX without any
> sound problems.
> As i have no experience with Linux, a friend of mine (DG7MGY, Hubi)
> a LINUX Expert, helped me yesterday to solve some problems defining
> the correct sound input for Quisk TX operation. After fiddling with
> some variables in the config.py (especially trying to find the
> correct PTT activation for SSB transission..), QUISK and HiQSDR works
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> without any interruptions and to produce a good quality SSB
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> ok now and the project is nearly done (from my side ;-))
>
> Quisk is working fine but lacks some features which (in my opinion)
> are important. Quisk should have a "zoom" facility for the
> Graph/Waterfall because some signals are too small(PSK, CW, faint
> signals) to be seen even in the smallest Bandwidth of 48KHz) and the
> Filter bandwith should be interactive adjustable down to (at least)
> 50Hz to improve receiption of very faint signals (like "Whisper",
> WSJT or similar) - lets see whats going on @ the community :-)
>
> 73 de Helmut, DB1CC
>
Congrats on reaching another milestone.
Interesting remarks on quisk. In earlier versions, the softrock40 group
had add-ons such as IMD measurement, IQ Balance and IQ Calibrate which
with James' help we couldn't get to work with later versions.
73 ... Sid.

>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

38. Re: HiQSDR SSB Transmission is working

Yahoo group: n2adr-sdr
Date: 2011-03-07 13:39:40 UTC
From: irbsurfing
Topic: 36 Message: 38

Hello Helmut,
Well done on getting the board going, sounds like a great success.
Looking forward to hearing more about your progress. Do you plan to make any test measurements?

You mentioned about Quisk. I have been trying it with my softrock setup and find that it works really quite well but as you say does not (yet) have the bells and whistles of other software.

What would people think to making the board compatible with other software (hope I haven't spoken out of turn here!!) that is out there that already has the goodies? Of course we would need someone with the FPGA skills to code the firmware and another to mod the software:).
Andrew

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> with the windows version of Quisk a had a lot of problems producing
> SSB TX signals, because of sound errors. Jim (N2ADR) wrote, that the
> windows version is "Alpha", so i tried HiQSDR Hardware to operate
> with QUISK 3.5.1 in the LINUX Version and it works as RX without any
> sound problems.
> As i have no experience with Linux, a friend of mine (DG7MGY, Hubi)
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> correct PTT activation for SSB transission..), QUISK and HiQSDR works
> perfectly together. I had no problems to receive 960kHz of Bandwith
> without any interruptions and to produce a good quality SSB
> transmission. Next few days i will measure the transmission
> paramaters (IMD, SN a.s.o) of HiQSDR. I am very shure, that all is
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> Quisk is working fine but lacks some features which (in my opinion)
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> Graph/Waterfall because some signals are too small(PSK, CW, faint
> signals) to be seen even in the smallest Bandwidth of 48KHz) and the
> Filter bandwith should be interactive adjustable down to (at least)
> 50Hz to improve receiption of very faint signals (like "Whisper",
> WSJT or similar) - lets see whats going on @ the community :-)
>
> 73 de Helmut, DB1CC
>

39. Software compatibility - was Re: HiQSDR SSB Transmission is working

Yahoo group: n2adr-sdr
Date: 2011-03-07 14:49:52 UTC
From: Marciniak, Ed
Topic: 36 Message: 39

It shouldn't be difficult to create a windows service or unix daemon to bind a udp port to listen, one to send, and start a thread with a high resolution event triggering execution on a set of code to move the data. Slight alterations to the timing interval could be used to maintain half full receive buffers. The resulting streams could be stripped of their headers and freframed as if they were coming from a janus/ozy HPSDR interface and sent to PowerSDRwith a dll publishing same interfaces. At sample rates ASIO would accept, perhaps one could apply the same concept to provide an 'audio' path there.

I've not had enough time to play in the Linux world for quite a few years, but I'd imagine the same sort of thing could be done there.

With either, some hacking of the sdr software might be necessary to support sample rates >192ksps.

Do I have time to do the above? Unfortunately not quite yet, and I don't have hardware in hand either....

The biggest bummer might be retiming 48khz audio to exactly match an integer multiple of the sample rate when it has a differnt clock source. The TAPR HPSDR people made a wise choice in including an ADC/DAC for mic and speaker, driven off the sample clock which neatly sidestepped that problem. Having an SDR that provides the design assuption of synchronous sampling for inputs and outputs eliminates the need for resampling or otherwise dealing with small clock rate differences. It also potententially simplifies the software in that the the same fft and inverse fft, fir and other code might be used for both input and output. That results in tighter code that has less cache turnover which boosts cpu performance.

I just joined the group yesterday after reading the QEX article so what I'm about to ask might be redundant....

Why choose a 14bit TI ADC, when potentially there are 16bit parts out there from multiple vendors that are similarly priced or in some cases actually cheaper?

Does anyone have PCBs available, or partial/complete kits?

Vy 73,
Ed Marciniak
NB0M

(Snip)

>What would people think to making the board compatible with other software (hope I haven't spoken out of turn here!!) that is out there that already has the goodies? Of course we would need someone with the FPGA skills to code the firmware and another to mod the software:).Andrew

40. Software compatibility - was Re: HiQSDR SSB Transmission is working

Yahoo group: n2adr-sdr
Date: 2011-03-08 07:15:59 UTC
From: Mario
Topic: 36 Message: 40

Hi Ed,

thanks for your message...
I will try to give my opinion below:

--- In n2adr-sdr@yahoogroups.com, "Marciniak, Ed" <elmarciniak@...> wrote:
>
> It shouldn't be difficult to create a windows service or unix daemon to bind a udp port to listen, one to send, and start a thread with a high resolution event triggering execution on a set of code to move the data. Slight alterations to the timing interval could be used to maintain half full receive buffers. The resulting streams could be stripped of their headers and freframed as if they were coming from a janus/ozy HPSDR interface and sent to PowerSDRwith a dll publishing same interfaces.

YM: yes, this would be an alternative for windows. But why not concentrating on getting QUISK stable for Linux and Windows ? I like the open source aspect of such projects. I know QUISK currently lacks many features that are necessary for real operation but keep in mind at this stage only N2ADR is working on it. It is quite good for a one-man show. But why not creating an interface driver if someone has time for that.

> At sample rates ASIO would accept, perhaps one could apply the same concept to provide an 'audio' path there.

YM: Indeed. Getting Mic Audio and putting RX Audio would be a nice feature for the future. On the other hand this board is just the frontend and not a complete transceiver. The baseband coder/decoder would be an own component either. There are several conditions were you want to process your audio to another software via an virtual soundcard for example.

>
> I've not had enough time to play in the Linux world for quite a few years, but I'd imagine the same sort of thing could be done there.
>
> With either, some hacking of the sdr software might be necessary to support sample rates >192ksps.
>
> Do I have time to do the above? Unfortunately not quite yet, and I don't have hardware in hand either....
>
> The biggest bummer might be retiming 48khz audio to exactly match an integer multiple of the sample rate when it has a differnt clock source.

YM: I do not know if/how N2ADR did this until now but since he also supports the IQ-SDR hardware i assume he does a audio sample rate correction. I guess this should not be too difficult but needs some care not to cause problems with digital transmission modes when skipping samples or playing them twice to tweek the sample frequency.

> The TAPR HPSDR people made a wise choice in including an ADC/DAC for mic and speaker, driven off the sample clock which neatly sidestepped that problem. Having an SDR that provides the design assuption of synchronous sampling for inputs and outputs eliminates the need for resampling or otherwise dealing with small clock rate differences. It also potententially simplifies the software in that the the same fft and inverse fft, fir and other code might be used for both input and output. That results in tighter code that has less cache turnover which boosts cpu performance.

YM: CPU performance might be a point. But is it really a issue today ?
Probably if you want to use a laptop as baseband.

>
> I just joined the group yesterday after reading the QEX article so what I'm about to ask might be redundant....
>
> Why choose a 14bit TI ADC, when potentially there are 16bit parts out there from multiple vendors that are similarly priced or in some cases actually cheaper?

YM: Regarding the ADC you have to consider all the parameters like max sample rate, SFDR, SNR, noise distribution over bandwith...
Since this concept samples with 120MHz and does filtering and decimation afterwards you gain resolution anyway. Probably this ADC is not the optimum but it is available. If you have some experience in this field you can give some suggestions. Even the 14bit resolution you need to get in a real design and over the full frequency range ;)

>
> Does anyone have PCBs available, or partial/complete kits?

YM: Helmut just finished the prototype of his PCB and he told that he wants to do a few changes and release the PCB afterwards. I do not know whats his actual plan. Probably you can buy a PCB at him or probably you can take the Gerber data to your local PCB vendor. I do not know currently. Creating a Kit here in Germany could be a bit difficult since most of the parts have to be ordered from Digikey.
Probably someone can create a package with the parts that are hard to get.

>
> Vy 73,
> Ed Marciniak
> NB0M
>
>
> (Snip)
>
> >What would people think to making the board compatible with other software (hope I haven't spoken out of turn here!!) that is out there that already has the goodies? Of course we would need someone with the FPGA skills to code the firmware and another to mod the software:).Andrew

YM: yes it is difficult to have one that can really do all the stuff from FPGA to the PC software. I think thats only possible in a group.
As i understood Helmut already did a few changes to the verilog code from N2ADR.

best 73
Mario, DH5YM, Dresden

41. TX Measurment on HiQSDR / Where will we go?

Yahoo group: n2adr-sdr
Date: 2011-03-08 08:49:01 UTC
From: Helmut Goebkes
Topic: 41 Message: 41

Hi Group,

you can find some measurements on TX output of HiQSDR in the
HiQSDR files area. All values are noted in the screen shots
of my HP Spectrum Analyzer.

Some minor layout changes are done and will be completed this week. Then i upload the newest files to the groups file area to make
it available. The partslist as well as the BOM is currently in work by DG3MDE and will soon be completed, also some building hints & pictures.
My "project target" is a complete HiQSDR-TRX, but its a lot of work just for one man so i hope to get some help from the group in design and ideas & suggestions.
Currently André DL6AST has developed a 100W-PA wich is in Prototype stadium and will be tested soon @ my Lab.
Automatic preselection/Preamp/Driver Board is currently under construction and will be available in about 4-6 Weeks.

So more orders for the HiQSDR PCB we have, the PCB will be cheaper for all. All boards are professional 4-Layer, gold plated, electrically tested board.

To sell Boards as part or as whole is possible but i have to do this via my company because of the german law
(if you sell more than one, you are a commercial reseller)
and the financial auhorithies are knocking on your door...

Also i have to contact N2ADR because its a non-commercial development and this status should be kept for the full HiQSDR-TRX project.

I will offer PCB-Boards and (SMD) preassembled HiQSDR boards and
-if there is enough request- complete professional built boards
or Kits as well.

i`ll keep you informed!

btw: personally, i think N2ADR has done the right decision to select a quit 14-Bit ADC instead a 16-Bit ADC. To achieve full 16 Bit resolution at high frequencies, is much more challenging than in "normal" measurement like temperature loggers or so which is tricky enough.
What do you gain from a 16-Bit ADC, if the last two bits are always
flickering at random noise? - give yourself an answer....
It is much better to have a stable 14-bit signal than a noisy 16-Bit one...

73, de Helmut, DB1CC

42. Re: [n2adr-sdr] TX Measurment on HiQSDR / Where will we go?

Yahoo group: n2adr-sdr
Date: 2011-03-08 12:07:59 UTC
From: Sid Boyce
Topic: 41 Message: 42

On 08/03/11 08:49, Helmut Goebkes wrote:
> Hi Group,
>
> you can find some measurements on TX output of HiQSDR in the
> HiQSDR files area. All values are noted in the screen shots
> of my HP Spectrum Analyzer.
>
> Some minor layout changes are done and will be completed this week. Then
> i upload the newest files to the groups file area to make
> it available. The partslist as well as the BOM is currently in work by
> DG3MDE and will soon be completed, also some building hints & pictures.
> My "project target" is a complete HiQSDR-TRX, but its a lot of work just
> for one man so i hope to get some help from the group in design and
> ideas & suggestions.
> Currently Andr? DL6AST has developed a 100W-PA wich is in Prototype
> stadium and will be tested soon @ my Lab.
> Automatic preselection/Preamp/Driver Board is currently under
> construction and will be available in about 4-6 Weeks.
>
> So more orders for the HiQSDR PCB we have, the PCB will be cheaper for
> all. All boards are professional 4-Layer, gold plated, electrically
> tested board.
>
> To sell Boards as part or as whole is possible but i have to do this via
> my company because of the german law
> (if you sell more than one, you are a commercial reseller)
> and the financial auhorithies are knocking on your door...
>
> Also i have to contact N2ADR because its a non-commercial development
> and this status should be kept for the full HiQSDR-TRX project.
>
> I will offer PCB-Boards and (SMD) preassembled HiQSDR boards and
> -if there is enough request- complete professional built boards
> or Kits as well.
>
> i`ll keep you informed!
>
> btw: personally, i think N2ADR has done the right decision to select a
> quit 14-Bit ADC instead a 16-Bit ADC. To achieve full 16 Bit resolution
> at high frequencies, is much more challenging than in "normal"
> measurement like temperature loggers or so which is tricky enough.
> What do you gain from a 16-Bit ADC, if the last two bits are always
> flickering at random noise? - give yourself an answer....
> It is much better to have a stable 14-bit signal than a noisy 16-Bit one...
>

> 73, de Helmut, DB1CC
>

Very interesting, thanks for the update.
Watching and waiting to see the upcoming offerings.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

43. Re: [n2adr-sdr] TX Measurment on HiQSDR / Where will we go?

Yahoo group: n2adr-sdr
Date: 2011-03-08 12:50:55 UTC
From: Peter Horne
Topic: 41 Message: 43

Hi Helmut, Nice work. Im certainly keen to get a PCB for this.
73's Peter G3JRH
----- Original Message -----
From: Helmut Goebkes
To: n2adr-sdr@yahoogroups.com
Sent: Tuesday, March 08, 2011 8:49 AM
Subject: [n2adr-sdr] TX Measurment on HiQSDR / Where will we go?

Hi Group,

you can find some measurements on TX output of HiQSDR in the
HiQSDR files area. All values are noted in the screen shots
of my HP Spectrum Analyzer.

Some minor layout changes are done and will be completed this week. Then i upload the newest files to the groups file area to make
it available. The partslist as well as the BOM is currently in work by DG3MDE and will soon be completed, also some building hints & pictures.
My "project target" is a complete HiQSDR-TRX, but its a lot of work just for one man so i hope to get some help from the group in design and ideas & suggestions.
Currently André DL6AST has developed a 100W-PA wich is in Prototype stadium and will be tested soon @ my Lab.
Automatic preselection/Preamp/Driver Board is currently under construction and will be available in about 4-6 Weeks.

So more orders for the HiQSDR PCB we have, the PCB will be cheaper for all. All boards are professional 4-Layer, gold plated, electrically tested board.

To sell Boards as part or as whole is possible but i have to do this via my company because of the german law
(if you sell more than one, you are a commercial reseller)
and the financial auhorithies are knocking on your door...

Also i have to contact N2ADR because its a non-commercial development and this status should be kept for the full HiQSDR-TRX project.

I will offer PCB-Boards and (SMD) preassembled HiQSDR boards and
-if there is enough request- complete professional built boards
or Kits as well.

i`ll keep you informed!

btw: personally, i think N2ADR has done the right decision to select a quit 14-Bit ADC instead a 16-Bit ADC. To achieve full 16 Bit resolution at high frequencies, is much more challenging than in "normal" measurement like temperature loggers or so which is tricky enough.
What do you gain from a 16-Bit ADC, if the last two bits are always

flickering at random noise? - give yourself an answer....
It is much better to have a stable 14-bit signal than a noisy 16-Bit one...

73, de Helmut, DB1CC

44. BOM

Yahoo group: n2adr-sdr
Date: 2011-03-12 10:30:26 UTC
From: Yu Disong
Topic: 44 Message: 44

Dear all,

   Has anyone BOM list for N2ADR transceiver?
   Thanks!

73,
Dale BA4TB

45. Re: [n2adr-sdr] BOM

Yahoo group: n2adr-sdr
Date: 2011-03-12 11:44:57 UTC
From: Sid Boyce
Topic: 44 Message: 45

http://groups.yahoo.com/group/n2adr-sdr/files/DL7IY_DL7LA_Board/
73 ... Sid.

On 12/03/11 10:30, Yu Disong wrote:
> Dear all,
> Has anyone BOM list for N2ADR transceiver?
> Thanks!
> 73,
> Dale BA4TB
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

46. Re: BOM

Yahoo group: n2adr-sdr
Date: 2011-03-12 15:52:06 UTC
From: Mario
Topic: 44 Message: 46

Hi,

take care: It is for the PCB design from N2ADR with modifications by DL7LA/DL7IY. It is not valid for the PCB from Helmut DB1CC because he has some additional parts on his PCB.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> http://groups.yahoo.com/group/n2adr-sdr/files/DL7IY_DL7LA_Board/
> 73 ... Sid.
>
> On 12/03/11 10:30, Yu Disong wrote:
> > Dear all,
> > Has anyone BOM list for N2ADR transceiver?
> > Thanks!
> > 73,
> > Dale BA4TB
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

47. Re： [n2adr-sdr] Re: BOM

Yahoo group: n2adr-sdr
Date: 2011-03-13 01:15:03 UTC
From: Yu Disong
Topic: 44 Message: 47

Dear Mario,

   Do you have BOM list and PCB files for the DB1CC design?
   Thanks1

73,
Dale

--- 11年3月12日，周六, Mario <dh5ym@...> 写道：

发件人: Mario <dh5ym@....uk>
主题: [n2adr-sdr] Re: BOM
收件人: n2adr-sdr@yahoogroups.com
日期: 2011年3月12日,周六,下午11:52

Hi,

take care: It is for the PCB design from N2ADR with modifications by DL7LA/DL7IY. It is not valid for the PCB from Helmut DB1CC because he has some additional parts on his PCB.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> http://groups.yahoo.com/group/n2adr-sdr/files/DL7IY_DL7LA_Board/
> 73 ... Sid.
>
> On 12/03/11 10:30, Yu Disong wrote:
> > Dear all,
> > Has anyone BOM list for N2ADR transceiver?
> > Thanks!
> > 73,
> > Dale BA4TB
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

48. Reï¼□ [n2adr-sdr] Re: BOM

Yahoo group: n2adr-sdr
Date: 2011-03-13 08:31:13 UTC
From: Mario
Topic: 44 Message: 48

Hi Dale,

no, i do not have this information.
Helmut stated that he will do some minor changes to his PCB and he will ask around who will need one. Then i assume also the partlist will be submitted. Please be patient ;) Helmuts design is rather new.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Dear Mario,
> Â
> Â Â Do you have BOM list and PCB files for the DB1CC design?
> Â Â Thanks1
> Â
> 73,
> Dale
>
> --- 11å¹´3æ□□12æ□¥ï¼□å¨å , Mario <dh5ym@...> å□□é□"ï¼□
>
>
> å□`ä»¶äºº: Mario <dh5ym@...>
> ä¸»é¢□: [n2adr-sdr] Re: BOM
> æ"¶ä»¶äºº: n2adr-sdr@yahoogroups.com
> æ□¥æ□□: 2011å¹´3æ□□12æ□¥,å¨å ,ä¸□å□□11:52
>
>
> Â
>
>
>
> Hi,
>
> take care: It is for the PCB design from N2ADR with modifications by DL7LA/DL7IY. It is not valid for the PCB from Helmut DB1CC because he has some additional parts on his PCB.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> >
> > http://groups.yahoo.com/group/n2adr-sdr/files/DL7IY_DL7LA_Board/
> > 73 ... Sid.

> >
> > On 12/03/11 10:30, Yu Disong wrote:
> > > Dear all,
> > > Has anyone BOM list for N2ADR transceiver?
> > > Thanks!
> > > 73,
> > > Dale BA4TB
> > >
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>

49. LNA oscillation problems with DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-15 07:44:40 UTC
From: Mario
Topic: 33 Message: 49

Hi all,

this morning i had some success getting the oscillations of the LNA on my DL7LA/DL7IY PCB under control.
Previous experiments with changed ground routing, resoldering the preamp and capacitors at the output were not very satisfying.
Just for test i now soldered 50pF at each input of the LNA stage behind the 100Ohms series resistors (seen from the transformator).
Now the oscillation has vanished. I did not look at the influence of these caps to the frequency response of the input. I assume it is only small. Probably also lower values will work for the caps.
I was only able to get around -115dBm noise level display. In that sense Helmuts new Layout already is a good improvement.

regards
Mario

50. output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-17 19:12:55 UTC
From: Mario
Topic: 50 Message: 50

Hi,

yesterday i brought up the transmitter section of my DL7LA/DL7IY PCB. I use a NXP MMIC BGA6589 but the bias current is much too low (around 40mA) at the moment. I think thats the reason why i get poor IMD figures at the moment. The carrier plot looks rather good. Unfortunately the dynamic range of my measurement receiver is too small.

The 3 figures are stored in the files section in my folder.

regards
Mario, DH5YM

51. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-21 19:41:47 UTC
From: Mario
Topic: 50 Message: 51

Hi all,

today i did some more TX measurements on my transceiver frontend.
Before i changed the MMIC bias to nominal level (80mA).
I uploaded the pictures to the folder
http://groups.yahoo.com/group/n2adr-sdr/files/DH5YM%27s%20folder/7IY%20PCB/
The picture names state the TX frequency, the modulation and additional information. E.g. 28M_IMD-6 means 28MHz, IMD test with software set attenuation -6dB.
I was hoping that the IMD would be a bit better but i have no comparison if this is ok.

Some interesting things if found:
- at low frequencies (below 40m) the output signal looks really good.
- at higher frequencies the wideband output looks significantly worse. It seams that there are several strong spurs from the clock generation. At 55MHz the signal is already really noisy.
- the overtones are really strong and lowpass filtering is mandatory ;)
- looking closer to the sine signal shows that there are symetric spurs around the TX frequency (around +-50kHz).

So there is still much to investigate and probably to improve.
Comments ? Suggestions ? Questions ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> yesterday i brought up the transmitter section of my DL7LA/DL7IY PCB. I use a NXP MMIC BGA6589 but the bias current is much too low (around 40mA) at the moment. I think thats the reason why i get poor IMD figures at the moment. The carrier plot looks rather good. Unfortunately the dynamic range of my measurement receiver is too small.
>
> The 3 figures are stored in the files section in my folder.
>
> regards
> Mario, DH5YM
>

52. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-22 19:30:28 UTC
From: Helmut Goebkes
Topic: 50 Message: 52

Hi Mario,

i´ve made some new measurements today with a high dynamic measuring receiver to get more informations about the TX signals.
I uploaded the screenshots in the HiQSDR file area.
unfortunately the maximum measuring frequency possible was just below 50MHz, so i checked the cw carrier at 45Mhz but found - different to your measurings - only a slight degradation compared to the TX signals @ lower frequencies.
I also cannot find any spurs far away from the carrier like the 5/10khz spurs you found, i agree this might be residuals from the your power supplies wich may oscillate.
The only spurs in the signals i found are 100Hz from the carrier - maybe inducted (and doubled) from the 50Hz mains...

I also added actual IMD3 measurings. All Signals are fed into the Measuring receiver via a 60dB precision attenuator.

BTW Mario: Have a look above 100Mhz to 1GHz, you will be surprised finding many spurs and overtones from the 122.88MHz main clock.
In my HiQSDR redesign, i added a 7-pole 70 MHz Cauer LP-Filter directly between ADC output transformer and the MMIC driver to kill those unwanted signals...

73 de Helmut, DB1CC

53. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-22 21:00:31 UTC
From: Mario
Topic: 50 Message: 53

Hi Helmut,

thank you very much for the measurements.
Yes indeed. The problems i saw seem to belong to my PCB only.
But i think thats really good news.
I will crosscheck with the signal directly out of the FPGA.
Probably you can check a few MHz up and down for some spurs that may appear but i assume you already did.
I will check the frequencies above 50MHz to 1GHz. The receiver i can use can operate up to 3GHz.
I think crosschecking the same design in two different implementations is a really interesting thing since you can easily see which problems can be solved by a good layout.
I am really excited for the release of your PCB...

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
>
> Hi Mario,
>
> i´ve made some new measurements today with a high dynamic measuring receiver to get more informations about the TX signals.
> I uploaded the screenshots in the HiQSDR file area.
> unfortunately the maximum measuring frequency possible was just below 50MHz, so i checked the cw carrier at 45Mhz but found - different to your measurings - only a slight degradation compared to the TX signals @ lower frequencies.
> I also cannot find any spurs far away from the carrier like the 5/10khz spurs you found, i agree this might be residuals from the your power supplies wich may oscillate.
> The only spurs in the signals i found are 100Hz from the carrier - maybe inducted (and doubled) from the 50Hz mains...
>
> I also added actual IMD3 measurings. All Signals are fed into the Measuring receiver via a 60dB precision attenuator.
>
> BTW Mario: Have a look above 100Mhz to 1GHz, you will be surprised finding many spurs and overtones from the 122.88MHz main clock.
> In my HiQSDR redesign, i added a 7-pole 70 MHz Cauer LP-Filter directly between ADC output transformer and the MMIC driver to kill those unwanted signals...
>
> 73 de Helmut, DB1CC
>

54. need advice

Yahoo group: n2adr-sdr
Date: 2011-03-23 12:19:26 UTC
From: Yu Disong
Topic: 54 Message: 54

Dear OM,

  I've just made few N2ADR PCB boards,that I want starting to build this transceiver using original design by Jim.
  What I needed are can someone give me some advices about PCB and components suggestion,thanks in advance!

73,
Dale BA4TB

55. Re: need advice

Yahoo group: n2adr-sdr
Date: 2011-03-23 17:59:07 UTC
From: Mario
Topic: 54 Message: 55

Hey Dale,

just have a look to the Files Section. There is a file with a partlist for this PCB. Assembly data you should extract out of the eagle design. Probably you have some more detailed questions later on.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Dear OM,
>
> I've just made few N2ADR PCB boards,that I want starting to build this transceiver using original design by Jim.
> What I needed are can someone give me some advices about PCB and components suggestion,thanks in advance!
>
> 73,
> Dale BA4TB
>

56. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-30 16:02:57 UTC
From: irbsurfing
Topic: 50 Message: 56

Hello Mario,
Just looked at your spectrum plots on your blog. I am intrigued to know what you used as the spectrum analyser and also the software you used to capture the pictures - it looks very nice?
Andrew

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Helmut,
>
> thank you very much for the measurements.
> Yes indeed. The problems i saw seem to belong to my PCB only.
> But i think thats really good news.
> I will crosscheck with the signal directly out of the FPGA.
> Probably you can check a few MHz up and down for some spurs that may appear but i assume you already did.
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> I am really excited for the release of your PCB...
>
> regards
> Mario
>
>
> --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> >
> >
> > Hi Mario,
> >
> > i´ve made some new measurements today with a high dynamic measuring receiver to get more informations about the TX signals.
> > I uploaded the screenshots in the HiQSDR file area.
> > unfortunately the maximum measuring frequency possible was just below 50MHz, so i checked the cw carrier at 45Mhz but found - different to your measurings - only a slight degradation compared to the TX signals @ lower frequencies.
> > I also cannot find any spurs far away from the carrier like the 5/10khz spurs you found, i agree this might be residuals from the your power supplies wich may oscillate.
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> >
> > I also added actual IMD3 measurings. All Signals are fed into the Measuring receiver via a 60dB precision attenuator.
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> > BTW Mario: Have a look above 100Mhz to 1GHz, you will be surprised finding many spurs and overtones from the 122.88MHz main clock.
> > In my HiQSDR redesign, i added a 7-pole 70 MHz Cauer LP-Filter directly between ADC output transformer and the MMIC driver to kill those unwanted signals...
> >
> > 73 de Helmut, DB1CC
> >
>

57. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-30 16:04:57 UTC
From: Marciniak, Ed
Topic: 50 Message: 57

So, is there anyone who has an extra pcb, or wants to add one or two to a few they're running soon? I'm interested in getting hands on some hardware.

58. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-31 17:10:37 UTC
From: Mario
Topic: 50 Message: 58

Hi Andrew,

the plots were captured with a commercial equipment from IZT (a spinoff from Fraunhofer) called R3301.
It is not a spectrum analyzer but a measurement receiver that can do realtime FFT over maximum 24MHz bandwidth.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "irbsurfing" <irbsurfing@...> wrote:
>
> Hello Mario,
> Just looked at your spectrum plots on your blog. I am intrigued to know what you used as the spectrum analyser and also the software you used to capture the pictures - it looks very nice?
> Andrew
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi Helmut,
> >
> > thank you very much for the measurements.
> > Yes indeed. The problems i saw seem to belong to my PCB only.
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> > I will crosscheck with the signal directly out of the FPGA.
> > Probably you can check a few MHz up and down for some spurs that may appear but i assume you already did.
> > I will check the frequencies above 50MHz to 1GHz. The receiver i can use can operate up to 3GHz.
> > I think crosschecking the same design in two different implementations is a really interesting thing since you can easily see which problems can be solved by a good layout.
> > I am really excited for the release of your PCB...
> >
> > regards
> > Mario
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> > >
> > >
> > > Hi Mario,
> > >
> > > i´ve made some new measurements today with a high dynamic measuring receiver to get more informations about the TX signals.
> > > I uploaded the screenshots in the HiQSDR file area.

> > > unfortunately the maximum measuring frequency possible was just below 50MHz, so i checked the cw carrier at 45Mhz but found - different to your measurings - only a slight degradation compared to the TX signals @ lower frequencies.
> > > I also cannot find any spurs far away from the carrier like the 5/10khz spurs you found, i agree this might be residuals from the your power supplies wich may oscillate.
> > > The only spurs in the signals i found are 100Hz from the carrier - maybe inducted (and doubled) from the 50Hz mains...
> > >
> > > I also added actual IMD3 measurings. All Signals are fed into the Measuring receiver via a 60dB precision attenuator.
> > >
> > > BTW Mario: Have a look above 100Mhz to 1GHz, you will be surprised finding many spurs and overtones from the 122.88MHz main clock.
> > > In my HiQSDR redesign, i added a 7-pole 70 MHz Cauer LP-Filter directly between ADC output transformer and the MMIC driver to kill those unwanted signals...
> > >
> > > 73 de Helmut, DB1CC
> > >
> >
>

59. Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-03-31 17:17:44 UTC
From: Mario
Topic: 50 Message: 59

Hi Ed,

do you mean the DL7LA/DL7IY PCB or the PCB from Helmut,DB1CC ?
The DL7LA/DL7IY PCB ordering information is here:
http://groups.yahoo.com/group/n2adr-sdr/message/19

The PCB from Helmut is not ready for production yet (at least i did not hear anything from Helmut yet).

For the LA/IY PCB see my pictures in the files section first to get an overview how it could look like in the end.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Marciniak, Ed" <elmarciniak@...> wrote:
>
> So, is there anyone who has an extra pcb, or wants to add one or two to a few they're running soon? I'm interested in getting hands on some hardware.
>

60. MINIcircut replacement

Yahoo group: n2adr-sdr
Date: 2011-04-01 13:16:08 UTC
From: Yu Disong
Topic: 60 Message: 60

Has anyone know the Murata part name to replace MINI transformer from N2ADR design?
Thanks!

73,
Dale

61. Re: [n2adr-sdr] Re: output spectrum at my DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-04-01 21:48:58 UTC
From: Marciniak, Ed
Topic: 50 Message: 61

The helmut db1cc board preferrably. I don't mind being an alpha guinea pig.

From: Mario [mailto:dh5ym@yahoo.co.uk]
Sent: Thursday, March 31, 2011 12:17 PM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] Re: output spectrum at my DL7LA PCB

Hi Ed,

do you mean the DL7LA/DL7IY PCB or the PCB from Helmut,DB1CC ?
The DL7LA/DL7IY PCB ordering information is here:
http://groups.yahoo.com/group/n2adr-sdr/message/19

The PCB from Helmut is not ready for production yet (at least i did not hear anything from Helmut yet).

For the LA/IY PCB see my pictures in the files section first to get an overview how it could look like in the end.

regards
Mario

--- In n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>, "Marciniak, Ed" <elmarciniak@...> wrote:
>
> So, is there anyone who has an extra pcb, or wants to add one or two to a few they're running soon? I'm interested in getting hands on some hardware.
>

62. [n2adr-sdr] PCBs

Yahoo group: n2adr-sdr
Date: 2011-04-01 21:52:20 UTC
From: Marciniak, Ed
Topic: 50 Message: 62

Do you have any boards available yet? If they haven't yet been ordered, are you willing to add 2 to your order? Do you have a rough idea on cost?

63. HiQSDR - Version 2 shortly available

Yahoo group: n2adr-sdr
Date: 2011-04-02 08:32:27 UTC
From: Helmut Goebkes
Topic: 63 Message: 63

Hi Group,

sorry for the little delay, but i was some days ill, so the work stopped for a while ;-((

I made all the changes with respect to the tests on HiQsdr
and the layout is ready. Also the BOM is nearly done, i will post the files next days.

Changes for HiQSDR V2:

1.) Pull-Down Restistor array to hold Attenuator RF2420 in
"switched THRU" if FPGA is not programmed for attenuator mode.

2.) protective diodes @ RF input changed to special RF protective,
low capacitive Zener-diode, bidirectional - gives much better IP on large signals by better protection.

3.) Discharge resistor added on input (220k) to discharge static voltages to ground (as found on long wire antennas)

4.)ADC and DAC are now selectable between normal "low-Noise 3.3V-Supply" and
Ultra-Low-Noise special supplies via solder bridges.
Test shows that at the resolution of the ADS5500 the extreme low noise supplies shows no relevant improvement, so the user have now the option to built and use the
Ultra-Low-Noise-Supplies or use the "normal" (filtered) 3.3V-Supplies.
Because the "normal" 3.3V Suppy is also a very low noise regulator, there is no real need to use the (costly) Ultra-Low-Noise suppy. But to give the user the chance to test by himself, the Ultra-Low-Noise supplies are optional assemblied for use on board.

5.) A 7-pole eliptic-cauer low-pass filter was added between the RF output transformer and the MMIC-Driver to avoid the output (and amplification) of unwanted residuals and overtone from mainly from the 122.88 MHz clock and its artifacts. The filter is calculated for a stop frequency of 70MHz LP to allow full operation of the enrire HiQSDR opration range.
The filter can also built up for lower (35MHz) cut off-frequency if one do not want to operate at 6m. All Parts are 0603 inductors and capacitors to help for easy and reproducable assembly.

Thats all folks, all other parts work as expected and there was no need for any other PCB change (thanks to a good real-time layout check software ;-))

I had some talks to my assemblers to have PCB assembly options, so shortly i can offer bare pcbs, pcb with semiconductor kits as well as full assembled and programmed/tested boards to fair costs.
The boards are professional (Aircraft quality) partíally gold plated 4-layer PCBs, electrically tested with solder stop and parts silk screened on both sides.
All semiconductor parts are original from the manufacturers, antistatic and anti-moisture packed ready for soldering.

Additionally i can deliver the cooling heat spreader mountable to the backside of the pcb, cnc milled, drilled and glass bead-matted, ready to mount. But every body can make this by his own, its a simple part made from 5mm Aluminium, some drills and 2.5mm taps. The CAD/CNC files will be availabe in some days here in the files area.

I will have all informations fixed in some days,
so please be patient.

73!
de Helmut, DB1CC

64. Re: HiQSDR - Version 2 shortly available

Yahoo group: n2adr-sdr
Date: 2011-04-02 13:02:56 UTC
From: Mario
Topic: 63 Message: 64

Hi Helmut,

thank you very much !
Hope you have completely recovered !
I am also very interested in your PCB and waiting for more information ;)

regards
Mario

>
> Hi Group,
>
> sorry for the little delay, but i was some days ill, so the work stopped for a while ;-((
>
> I made all the changes with respect to the tests on HiQsdr
> and the layout is ready. Also the BOM is nearly done, i will post the files next days.
>
> Changes for HiQSDR V2:
>
> 1.) Pull-Down Restistor array to hold Attenuator RF2420 in
> "switched THRU" if FPGA is not programmed for attenuator mode.
>
> 2.) protective diodes @ RF input changed to special RF protective,
> low capacitive Zener-diode, bidirectional - gives much better IP on large signals by better protection.
>
> 3.) Discharge resistor added on input (220k) to discharge static voltages to ground (as found on long wire antennas)
>
> 4.)ADC and DAC are now selectable between normal "low-Noise 3.3V-Supply" and Ultra-Low-Noise special supplies via solder bridges.
> Test shows that at the resolution of the ADS5500 the extreme low noise supplies shows no relevant improvement, so the user have now the option to built and use the Ultra-Low-Noise-Supplies or use the "normal" (filtered) 3.3V-Supplies.
> Because the "normal" 3.3V Suppy is also a very low noise regulator, there is no real need to use the (costly) Ultra-Low-Noise suppy. But to give the user the chance to test by himself, the Ultra-Low-Noise supplies are optional assemblied for use on board.
>
> 5.) A 7-pole eliptic-cauer low-pass filter was added between the RF output transformer and the MMIC-Driver to avoid the output (and amplification) of unwanted residuals and overtone from mainly from the 122.88 MHz clock and its artifacts. The filter is calculated for a stop frequency of 70MHz LP to allow full operation of the enrire HiQSDR opration range.
> The filter can also built up for lower (35MHz) cut off-frequency if one do not want to operate at 6m. All Parts are 0603 inductors and capacitors to help for easy and reproducable assembly.

>
> Thats all folks, all other parts work as expected and there was no need for any other PCB change (thanks to a good real-time layout check software ;-))
>
> I had some talks to my assemblers to have PCB assembly options, so shortly i can offer bare pcbs, pcb with semiconductor kits as well as full assembled and programmed/tested boards to fair costs.
> The boards are professional (Aircraft quality) partíally gold plated 4-layer PCBs, electrically tested with solder stop and parts silk screened on both sides.
> All semiconductor parts are original from the manufacturers, antistatic and anti-moisture packed ready for soldering.
>
> Additionally i can deliver the cooling heat spreader mountable to the backside of the pcb, cnc milled, drilled and glass bead-matted, ready to mount. But every body can make this by his own, its a simple part made from 5mm Aluminium, some drills and 2.5mm taps. The CAD/CNC files will be availabe in some days here in the files area.
>
> I will have all informations fixed in some days,
> so please be patient.
>
> 73!
> de Helmut, DB1CC
>

65. Re： [n2adr-sdr] HiQSDR - Version 2 shortly available

Yahoo group: n2adr-sdr
Date: 2011-04-03 01:37:43 UTC
From: Yu Disong
Topic: 63 Message: 65

Dear Helmut,

That means you will publish the firmware and PCB files on the web?

73,
Dale

--- 11-4-2, Helmut Goebkes <hgoebkes@...> :

Hi Group,

sorry for the little delay, but i was some days ill, so the work stopped for a while ;-((

I made all the changes with respect to the tests on HiQsdr
and the layout is ready. Also the BOM is nearly done, i will post the files next days.

Changes for HiQSDR V2:

1.) Pull-Down Restistor array to hold Attenuator RF2420 in
"switched THRU" if FPGA is not programmed for attenuator mode.

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low capacitive Zener-diode, bidirectional - gives much better IP on large signals by better protection.

3.) Discharge resistor added on input (220k) to discharge static voltages to ground (as found on long wire antennas)

4.)ADC and DAC are now selectable between normal "low-Noise 3.3V-Supply" and
Ultra-Low-Noise special supplies via solder bridges.
Test shows that at the resolution of the ADS5500 the extreme low noise supplies shows no relevant improvement, so the user have now the option to built and use the
Ultra-Low-Noise-Supplies or use the "normal" (filtered) 3.3V-Supplies.
Because the "normal" 3.3V Suppy is also a very low noise regulator, there is no real need to use the (costly) Ultra-Low-Noise suppy. But to give the user the chance to test by himself, the Ultra-Low-Noise supplies are optional assemblied for use on board.

5.) A 7-pole eliptic-cauer low-pass filter was added between the RF output transformer and the MMIC-Driver to avoid the output (and amplification) of unwanted residuals and overtone from mainly from the 122.88 MHz clock and its artifacts. The filter is calculated for a stop frequency of 70MHz LP to allow full operation of the enrire HiQSDR opration range. The filter can also built up for lower (35MHz) cut off-frequency if one do not want to operate at 6m. All Parts are 0603 inductors and capacitors to help for easy and reproducable assembly.

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Additionally i can deliver the cooling heat spreader mountable to the backside of the pcb, cnc milled, drilled and glass bead-matted, ready to mount. But every body can make this by his own, its a simple part made from 5mm Aluminium, some drills and 2.5mm taps. The CAD/CNC files will be availabe in some days here in the files area.

I will have all informations fixed in some days,
so please be patient.

73!
de Helmut, DB1CC

66. Re： [n2adr-sdr] PCBs

Yahoo group: n2adr-sdr
Date: 2011-04-03 05:37:15 UTC
From: Yu Disong
Topic: 50 Message: 66

Hi,I have N2ADR's PCB available,but not for sale,if interested,just pay shipping cost!

73,
Dale

--- 11年4月2日，周六, Marciniak, Ed <elmarciniak@...> 写道：

发件人: Marciniak, Ed <elmarciniak@mnits.net>
主题: [n2adr-sdr] PCBs
收件人: '"n2adr-sdr@yahoogroups.com"' <n2adr-sdr@yahoogroups.com>
日期: 2011年4月2日,周六,上午5:52

Do you have any boards available yet? If they haven't yet been ordered, are you willing to add 2 to your order? Do you have a rough idea on cost?

67. BGA packages

Yahoo group: n2adr-sdr
Date: 2011-04-04 13:42:12 UTC
From: Marciniak, Ed
Topic: 67 Message: 67

It seems to me there is a local business in my area that will mount a couple BGA packages for a reasonable charge. It seems to me a friend of mine took a couple boards over than they charged something like $20 each to mount a bga package on a couple boards.

Although not exactly a first choice in terms of multilayer being mandatory, it is worth asking....
Could one save enough pcb area to have a reasonable cost on a run of perhaps 50 pieces?
Could one improve noise coupling enough to be worth it, or use a less expensive or more available part?

68. Re: [n2adr-sdr] BGA packages

Yahoo group: n2adr-sdr
Date: 2011-04-04 13:59:12 UTC
From: Ken N9VV
Topic: 67 Message: 68

Hi, I certainly am a naive newbie here in the group, but I would like to add this info.

There is a fellow who lives near Columbus, OH N8WFF who owns "Dishtronics" and sells a very expensive and beautiful "Prometheus" Linear Amplifier. He has full SMT (BGA?) board production equipment and is looking for projects to do on the side. Perhaps he could be the kind of person you are looking for to help move this great project along?

GL de Ken N9VV

On 4/4/2011 8:42 AM, Marciniak, Ed wrote:
> It seems to me there is a local business in my area that will mount a couple BGA packages for a reasonable charge. It seems to me a friend of mine took a couple boards over than they charged something like $20 each to mount a bga package on a couple boards.
>
>
> Although not exactly a first choice in terms of multilayer being mandatory, it is worth asking....
> Could one save enough pcb area to have a reasonable cost on a run of perhaps 50 pieces?
> Could one improve noise coupling enough to be worth it, or use a less expensive or more available part?
>
> ------------------------------------

69. Re: HiQSDR - Version 2 shortly available

Yahoo group: n2adr-sdr
Date: 2011-04-04 19:11:35 UTC
From: priddix
Topic: 63 Message: 69

Hi Helmut,
I'm interested in a built-up board as I have too many other projects on the go at present.
73 ... Sid.

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> sorry for the little delay, but i was some days ill, so the work stopped for a while ;-((
>
> I made all the changes with respect to the tests on HiQsdr
> and the layout is ready. Also the BOM is nearly done, i will post the files next days.
>
> Changes for HiQSDR V2:
>
> 1.) Pull-Down Restistor array to hold Attenuator RF2420 in
> "switched THRU" if FPGA is not programmed for attenuator mode.
>
> 2.) protective diodes @ RF input changed to special RF protective,
> low capacitive Zener-diode, bidirectional - gives much better IP on large signals by
better protection.
>
> 3.) Discharge resistor added on input (220k) to discharge static voltages to ground (as
found on long wire antennas)
>
> 4.)ADC and DAC are now selectable between normal "low-Noise 3.3V-Supply" and
Ultra-Low-Noise special supplies via solder bridges.
> Test shows that at the resolution of the ADS5500 the extreme low noise supplies shows no
relevant improvement, so the user have now the option to built and use the
Ultra-Low-Noise-Supplies or use the "normal" (filtered) 3.3V-Supplies.
> Because the "normal" 3.3V Suppy is also a very low noise regulator, there is no real need
to use the (costly) Ultra-Low-Noise suppy. But to give the user the chance to test by
himself, the Ultra-Low-Noise supplies are optional assemblied for use on board.
>
> 5.) A 7-pole eliptic-cauer low-pass filter was added between the RF output transformer
and the MMIC-Driver to avoid the output (and amplification) of unwanted residuals and
overtone from mainly from the 122.88 MHz clock and its artifacts. The filter is calculated
for a stop frequency of 70MHz LP to allow full operation of the enrire HiQSDR opration
range.
> The filter can also built up for lower (35MHz) cut off-frequency if one do not want to
operate at 6m. All Parts are 0603 inductors and capacitors to help for easy and
reproducable assembly.
>
> Thats all folks, all other parts work as expected and there was no need for any other PCB
change (thanks to a good real-time layout check software ;-))

>
> I had some talks to my assemblers to have PCB assembly options, so shortly i can offer bare pcbs, pcb with semiconductor kits as well as full assembled and programmed/tested boards to fair costs.
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> All semiconductor parts are original from the manufacturers, antistatic and anti-moisture packed ready for soldering.
>
> Additionally i can deliver the cooling heat spreader mountable to the backside of the pcb, cnc milled, drilled and glass bead-matted, ready to mount. But every body can make this by his own, its a simple part made from 5mm Aluminium, some drills and 2.5mm taps. The CAD/CNC files will be availabe in some days here in the files area.
>
> I will have all informations fixed in some days,
> so please be patient.
>
> 73!
> de Helmut, DB1CC
>

70. I2PHD/I0CG SDT-2011 DUC Transmitter just announced

Yahoo group: n2adr-sdr
Date: 2011-04-06 03:11:05 UTC
From: KennethH
Topic: 70 Message: 70

I find the webpage very confusing: http://www.i0cg.com/sdr-x.htm
scroll all the way down to the bottom to find the new SDT-2011.

I asked Alberto I2PHD to help me understand it, and it seems to be a DUC transmitter that they hope to connect to existing DDC receivers such as the Perseus or RFspace units (?).

It will be shown at the Modena Italy Hamfest this weekend (April 9th). I hope some of our friends in Italy will get the inside story and let us know (in English) what it is all about. Is it the basis for a DDC/DUC transceiver?

I am also very eager to learn about the N2ADR/DB1CC/DL7LA experiments and working prototypes. I hope I live long enough to see an affordable Ham DDC/DUC transceiver :-)

thank you for reading my post and allowing me to participate in the group. I have added some links.

73 de Ken N9VV
http://www.n9vv.com

71. Re: TX Measurment on HiQSDR / Where will we go?

Yahoo group: n2adr-sdr
Date: 2011-04-06 05:55:51 UTC
From: Mario
Topic: 41 Message: 71

Hi Helmut,

i will ask around in the local club here.
What is your favourite way to collect the names who have interest in the PCB or a kit or a ready PCB ? Shall people send you an eMail or do you want to collect the information in the group ?

BTW: I agree about your comments about using 14bit ADC. The 16bit make just sense if you get the design so clean that you do not waste the LSBs. BTW also in commercial SDR designs there are most the time max. 14bit or less (Of cause there are usually frontends with gain control).

Hope i have some time to do some RX measurements next week with my PCB. I am especially interested in the noise with respect to frequency and how much dynamic range is lost due to the fact that the noise of the ADC increases with input frequency.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> you can find some measurements on TX output of HiQSDR in the
> HiQSDR files area. All values are noted in the screen shots
> of my HP Spectrum Analyzer.
>
> Some minor layout changes are done and will be completed this week. Then i upload the newest files to the groups file area to make
> it available. The partslist as well as the BOM is currently in work by DG3MDE and will soon be completed, also some building hints & pictures.
> My "project target" is a complete HiQSDR-TRX, but its a lot of work just for one man so i hope to get some help from the group in design and ideas & suggestions.
> Currently André DL6AST has developed a 100W-PA wich is in Prototype stadium and will be tested soon @ my Lab.
> Automatic preselection/Preamp/Driver Board is currently under construction and will be available in about 4-6 Weeks.
>
> So more orders for the HiQSDR PCB we have, the PCB will be cheaper for all. All boards are professional 4-Layer, gold plated, electrically tested board.
>
> To sell Boards as part or as whole is possible but i have to do this via my company because of the german law
> (if you sell more than one, you are a commercial reseller)
> and the financial auhorithies are knocking on your door...
>

> Also i have to contact N2ADR because its a non-commercial development and this status should be kept for the full HiQSDR-TRX project.
>
> I will offer PCB-Boards and (SMD) preassembled HiQSDR boards and
> -if there is enough request- complete professional built boards
> or Kits as well.
>
> i`ll keep you informed!
>
> btw: personally, i think N2ADR has done the right decision to select a quit 14-Bit ADC instead a 16-Bit ADC. To achieve full 16 Bit resolution at high frequencies, is much more challenging than in "normal" measurement like temperature loggers or so which is tricky enough.
> What do you gain from a 16-Bit ADC, if the last two bits are always
> flickering at random noise? - give yourself an answer....
> It is much better to have a stable 14-bit signal than a noisy 16-Bit one...
>
> 73, de Helmut, DB1CC
>

72. Re: I2PHD/I0CG SDT-2011 DUC Transmitter just announced

Yahoo group: n2adr-sdr
Date: 2011-04-07 20:21:14 UTC
From: gwrbfw6
Topic: 70 Message: 72

--- In n2adr-sdr@yahoogroups.com, "KennethH" <n9vv@...> wrote:
>
> I find the webpage very confusing: http://www.i0cg.com/sdr-x.htm
> scroll all the way down to the bottom to find the new SDT-2011.
>
> I asked Alberto I2PHD to help me understand it, and it seems to be a DUC transmitter that they hope to connect to existing DDC receivers such as the Perseus or RFspace units (?).
>
> It will be shown at the Modena Italy Hamfest this weekend (April 9th). I hope some of our friends in Italy will get the inside story and let us know (in English) what it is all about. Is it the basis for a DDC/DUC transceiver?

This has been long in the discussions. I'd guess they still heavily focus on the RX line. Most of the customers I met in the Friedrichhafen fair last year were the BCL type. As long as one can get along with the shortcomings of USB that is a job very well done.

>
> I am also very eager to learn about the N2ADR/DB1CC/DL7LA experiments and working prototypes. I hope I live long enough to see an affordable Ham DDC/DUC transceiver :-)
>
> thank you for reading my post and allowing me to participate in the group. I have added some links.
>
> 73 de Ken N9VV
> http://www.n9vv.com
>
My prototype here has been performing so well that I am right now considering getting the professional version from Helmut (if a SMT ready mounted type is offered) as a backup for my shack. The idea behind this is getting rid of receptions problems (I live in the middle of a RF-polluted city) by moving the RX part to a quiet location and connecting to it via Internet services.

73 de Guenter DL7LA

73. Re: LNA oscillation problems with DL7LA PCB

Yahoo group: n2adr-sdr
Date: 2011-04-07 21:12:33 UTC
From: gwrbfw6
Topic: 33 Message: 73

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi all,
>
> this morning i had some success getting the oscillations of the LNA on my DL7LA/DL7IY PCB under control.
> Previous experiments with changed ground routing, resoldering the preamp and capacitors at the output were not very satisfying.
> Just for test i now soldered 50pF at each input of the LNA stage behind the 100Ohms series resistors (seen from the transformator).
> Now the oscillation has vanished. I did not look at the influence of these caps to the frequency response of the input. I assume it is only small. Probably also lower values will work for the caps.
> I was only able to get around -115dBm noise level display. In that sense Helmuts new Layout already is a good improvement.
>
> regards
> Mario
>
Hello, Mario,
at times I had the same effects. I cured them by placing a piece of high loss ferrite (EMC chokes on old video cables work fine) on each side of the LNA-to-ADC-connection area of the PCB. I guess with the circuit ground on Jim's layout you probably cannot do any better. Helmuts design will almost certainly be quiet, I'm sure.
73 de Guenter, DL7LA

74. pc board

Yahoo group: n2adr-sdr
Date: 2011-04-07 21:43:52 UTC
From: sauloquaggio
Topic: 74 Message: 74

hi, group... this is my first entry here. How can I get a bare pc board? there is a new version avaliable?
Saulo py2ko

75. Re: pc board

Yahoo group: n2adr-sdr
Date: 2011-04-08 07:30:00 UTC
From: Mario
Topic: 74 Message: 75

Hi Saulo,

Helmut will ask around for people that are interested on weekend.
Most probably he will collect the requests via eMail.
Lets wait for his information about the process.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "sauloquaggio" <saulo@...> wrote:
>
> hi, group... this is my first entry here. How can I get a bare pc board? there is a new version avaliable?
> Saulo py2ko
>

76. Re: pc board

Yahoo group: n2adr-sdr
Date: 2011-04-09 23:14:05 UTC
From: sauloquaggio
Topic: 74 Message: 76

Ok, Mario, nothing so far. I will continue looking forward
Tks
Saulo

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Saulo,
>
> Helmut will ask around for people that are interested on weekend.
> Most probably he will collect the requests via eMail.
> Lets wait for his information about the process.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "sauloquaggio" <saulo@> wrote:
> >
> > hi, group... this is my first entry here. How can I get a bare pc board? there is a new version avaliable?
> > Saulo py2ko
> >
>

77. HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-04-17 18:19:41 UTC
From: Helmut Goebkes
Topic: 77 Message: 77

Hi Group!

Info for HiQSDR, Version 24t: (newset Version)

If anybody needs printed circuit boards, special parts kit or
fully built, soldered, tested and programmed HiQSDR Boards will find
all necessary Information @ the site

http://www.technologie2000.de/page5.php

Here you will find all informations and how to order.

73 de Helmut, DB1CC

78. new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 06:22:38 UTC
From: Mario
Topic: 78 Message: 78

Hi,

there is a new version of Quisk published by Jim:

Changelist:

"Quisk Version 3.5.2 April 2011
==========
I added code from Ethan Blanton, KB8OJH, to provide direct frequency control
of the Si570 chip in many SoftRocks. I added AM transmit and improved AM
receive. I added FM de-emphasis to receive. I added a noise blanker.

It is now possible to delay samples (tx_channel_delay) and correct the amplitude
and phase for the sound card play device (SoftRock transmit). Unfortunately
receive sound card corrections will need to be re-entered.

The filter bandwidths for each mode can now be set in the config file. And
you can right-click the right-most filter button to adjust its bandwidth."

regards
Mario, DH5YM

79. Re: [n2adr-sdr] new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 08:12:39 UTC
From: Sid Boyce
Topic: 78 Message: 79

http://pypi.python.org/pypi/quisk/ still shows 3.5.1.
73 ... Sid.

On 20/04/11 07:22, Mario wrote:
> Hi,
>
> there is a new version of Quisk published by Jim:
>
> Changelist:
>
> "Quisk Version 3.5.2 April 2011
> ==============================
> I added code from Ethan Blanton, KB8OJH, to provide direct frequency control
> of the Si570 chip in many SoftRocks. I added AM transmit and improved AM
> receive. I added FM de-emphasis to receive. I added a noise blanker.
>
> It is now possible to delay samples (tx_channel_delay) and correct the
> amplitude
> and phase for the sound card play device (SoftRock transmit). Unfortunately
> receive sound card corrections will need to be re-entered.
>
> The filter bandwidths for each mode can now be set in the config file. And
> you can right-click the right-most filter button to adjust its bandwidth."
>
> regards
> Mario, DH5YM
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

80. Re: new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 10:11:41 UTC
From: Mario
Topic: 78 Message: 80

Sid,

you are right. I did not check the download. Just the comments on Jim´s page. I assume the version will show up soon.

Thanks for the hint !

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> http://pypi.python.org/pypi/quisk/ still shows 3.5.1.
> 73 ... Sid.
>
> On 20/04/11 07:22, Mario wrote:
> > Hi,
> >
> > there is a new version of Quisk published by Jim:
> >
> > Changelist:
> >
> > "Quisk Version 3.5.2 April 2011
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> > of the Si570 chip in many SoftRocks. I added AM transmit and improved AM
> > receive. I added FM de-emphasis to receive. I added a noise blanker.
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> > It is now possible to delay samples (tx_channel_delay) and correct the
> > amplitude
> > and phase for the sound card play device (SoftRock transmit). Unfortunately
> > receive sound card corrections will need to be re-entered.
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> > The filter bandwidths for each mode can now be set in the config file. And
> > you can right-click the right-most filter button to adjust its bandwidth."
> >
> > regards
> > Mario, DH5YM
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach

> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

81. Re: [n2adr-sdr] Re: new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 13:13:17 UTC
From: Sid Boyce
Topic: 78 Message: 81

I expect so, thanks.
73 ... Sid.

On 20/04/11 11:11, Mario wrote:
> Sid,
>
> you are right. I did not check the download. Just the comments on Jim?s
> page. I assume the version will show up soon.
>
> Thanks for the hint !
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > http://pypi.python.org/pypi/quisk/ still shows 3.5.1.
> > 73 ... Sid.
> >
> > On 20/04/11 07:22, Mario wrote:
> > > Hi,
> > >
> > > there is a new version of Quisk published by Jim:
> > >
> > > Changelist:
> > >
> > > "Quisk Version 3.5.2 April 2011
> > > ==============================
> > > I added code from Ethan Blanton, KB8OJH, to provide direct
> frequency control
> > > of the Si570 chip in many SoftRocks. I added AM transmit and
> improved AM
> > > receive. I added FM de-emphasis to receive. I added a noise blanker.
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> > > It is now possible to delay samples (tx_channel_delay) and correct the
> > > amplitude
> > > and phase for the sound card play device (SoftRock transmit).
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> > > receive sound card corrections will need to be re-entered.
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> file. And
> > > you can right-click the right-most filter button to adjust its
> bandwidth."

> > >
> > > regards
> > > Mario, DH5YM
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>
>

--
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82. Re: [n2adr-sdr] Re: new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 15:19:33 UTC
From: Sid Boyce
Topic: 78 Message: 82

It's up now.
It only works with quisk_hardware_model.py on Softrocks and using
softrock/widgets_tx_py doesn't put it into TX

Traceback (most recent call last):
File "./quisk_widgets.py", line 293, in OnButton
self.command(event)
File "./softrock/widgets_tx.py", line 28, in OnBtnPTT
self.hardware.OnPTT(0)
AttributeError: Hardware instance has no attribute 'OnPTT'
73 ... Sid.

On 20/04/11 14:13, Sid Boyce wrote:
> I expect so, thanks.
> 73 ... Sid.
>
> On 20/04/11 11:11, Mario wrote:
>> Sid,
>>
>> you are right. I did not check the download. Just the comments on Jim?s
>> page. I assume the version will show up soon.
>>
>> Thanks for the hint !
>>
>> regards
>> Mario
>>
>> --- In n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>,
>> Sid Boyce<g3vbv@...> wrote:
>> >
>> > http://pypi.python.org/pypi/quisk/ still shows 3.5.1.
>> > 73 ... Sid.
>> >
>> > On 20/04/11 07:22, Mario wrote:
>> > > Hi,
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>> > > there is a new version of Quisk published by Jim:
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>> > > Changelist:
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>> > > of the Si570 chip in many SoftRocks. I added AM transmit and

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>> > > receive. I added FM de-emphasis to receive. I added a noise blanker.
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>> > > amplitude
>> > > and phase for the sound card play device (SoftRock transmit).
>> Unfortunately
>> > > receive sound card corrections will need to be re-entered.
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>> > > The filter bandwidths for each mode can now be set in the config
>> file. And
>> > > you can right-click the right-most filter button to adjust its
>> bandwidth."
>> > >
>> > > regards
>> > > Mario, DH5YM
>> > >
>> > >
>> >
>> >
>> > --
>> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> > Senior Staff Specialist, Cricket Coach
>> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>

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Senior Staff Specialist, Cricket Coach
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83. Re: new version of QUISK 3.5.2

Yahoo group: n2adr-sdr
Date: 2011-04-20 19:37:59 UTC
From: Mario
Topic: 78 Message: 83

Hi all,

I tried with my N2ADR frontend this evening. The adjustable filter is rather cool. I have set it to 11kHz bandwith USB and fed the soundcard output to another PC running DREAM and was able to decode some DRM stations. The output spectrum looked a bit strange (some steps in amplitude over spectrum) but it worked.
I did not try much more so far.
Probably it is also possible to set down the decimation even further a bit to allow for higher bandwith. Probably one could use the samples for DAB broadcast radio decoding...
just some thoughts ;)

regards
Mario

--- In n2adr-sdr@...m, Sid Boyce <g3vbv@...> wrote:
>
> It's up now.
> It only works with quisk_hardware_model.py on Softrocks and using
> softrock/widgets_tx_py doesn't put it into TX
>
> Traceback (most recent call last):
> File "./quisk_widgets.py", line 293, in OnButton
> self.command(event)
> File "./softrock/widgets_tx.py", line 28, in OnBtnPTT
> self.hardware.OnPTT(0)
> AttributeError: Hardware instance has no attribute 'OnPTT'
> 73 ... Sid.
>
> On 20/04/11 14:13, Sid Boyce wrote:
> > I expect so, thanks.
> > 73 ... Sid.
> >
> > On 20/04/11 11:11, Mario wrote:
> >> Sid,
> >>
> >> you are right. I did not check the download. Just the comments on Jim´s
> >> page. I assume the version will show up soon.
> >>
> >> Thanks for the hint !
> >>
> >> regards
> >> Mario
> >>
> >> --- In n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>,
> >> Sid Boyce<g3vbv@> wrote:
> >> >

> >> > http://pypi.python.org/pypi/quisk/ still shows 3.5.1.
> >> > 73 ... Sid.
> >> >
> >> > On 20/04/11 07:22, Mario wrote:
> >> > > Hi,
> >> > >
> >> > > there is a new version of Quisk published by Jim:
> >> > >
> >> > > Changelist:
> >> > >
> >> > > "Quisk Version 3.5.2 April 2011
> >> > > ================================
> >> > > I added code from Ethan Blanton, KB8OJH, to provide direct
> >> frequency control
> >> > > of the Si570 chip in many SoftRocks. I added AM transmit and
> >> improved AM
> >> > > receive. I added FM de-emphasis to receive. I added a noise blanker.
> >> > >
> >> > > It is now possible to delay samples (tx_channel_delay) and correct the
> >> > > amplitude
> >> > > and phase for the sound card play device (SoftRock transmit).
> >> Unfortunately
> >> > > receive sound card corrections will need to be re-entered.
> >> > >
> >> > > The filter bandwidths for each mode can now be set in the config
> >> file. And
> >> > > you can right-click the right-most filter button to adjust its
> >> bandwidth."
> >> > >
> >> > > regards
> >> > > Mario, DH5YM
> >> > >
> >> > >
> >> >
> >> >
> >> > --
> >> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> >> > Senior Staff Specialist, Cricket Coach
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>

84. Re: [n2adr-sdr] HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-04-21 14:07:59 UTC
From: Sid Boyce
Topic: 77 Message: 84

Helmut,
I sent you an email for a fully built board to sales@....
I don't know if you have seen it or it ended up in your spam folder.
73 ... Sid.

On 17/04/11 19:19, Helmut Goebkes wrote:
> Hi Group!
>
> Info for HiQSDR, Version 24t: (newset Version)
>
> If anybody needs printed circuit boards, special parts kit or
> fully built, soldered, tested and programmed HiQSDR Boards will find
> all necessary Information @ the site
>
> http://www.technologie2000.de/page5.php
>
> Here you will find all informations and how to order.
>
> 73 de Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

85. [Q] T/R times with DB1CC/N2ADR Transceivers?

Yahoo group: n2adr-sdr
Date: 2011-04-21 23:21:53 UTC
From: Ken N9VV
Topic: 85 Message: 85

Hi, the SDR arena has been plagued with long delays
while switching from Receive to Transmit. Several
commercial unit have had people give up on CW because
they were unable to get the R/T time down below 80ms.

The ARRL testing of one Commercial unit showed that it
"did not meet the TOR specification" set by the ARRL at
20ms for the old AMTOR and PACTOR modes.

I have seen several comments about the T/R and R/T times
of the OpenHPSDR equipment as well. Phil VK6APH, has written
with great pride, that he generates the sidetone for CW
inside his FPGA in an effort to optimize the QSK capability
of his K.I.S.S. Windows GUI control code.

Does anyone have any idea what the DB1CC Transceiver boards
do with respect to T/R? there is precious little information
about the FPGA HDL code or any PC support code for WIN/LIN/MAC.

Here is what I found on his webpage:
DB1CC is selling boards, parts, or fully assembled units.
http://www.technologie2000.de/page5.php

--------------- Google Translation -------------
HiQSDR DDC SDR modules built, ready-to-use

Complete module "HiQSDR" main TRX module, complete built, Complete
module "HiQSDR" TRX module main complete, built,
soldered, tested and fully programmed, ready to use. soldered, tested
and fully programmed, ready to use.
incl. CD with all documents including CD with all documents
? 569.-- / St?ck / pcs ? 569th - / pc / pcs

Is that about $850 USD(?) I think there is no case or enclosure yet.

any comments yet? or is it still much too early and units have not yet
reached the U.S.?

thank you for your help in understanding what this beautiful DDC/DUC
unit is all about.

73 de Ken N9VV

86. Re: [Q] T/R times with DB1CC/N2ADR Transceivers?

Yahoo group: n2adr-sdr
Date: 2011-04-22 07:41:03 UTC
From: Mario
Topic: 85 Message: 86

Hi Ken,

> Hi, the SDR arena has been plagued with long delays
> while switching from Receive to Transmit.

I know about this. Jim, N2ADR wrote QUISK for the purpose of QSK CW operation. The frontend is generating CW directly in the FPGA and the key is also connected there. The demodulator reacts also rather fast.
When i listened to my transmitted signal and my sidetone (generated at the PC) at the same time i was not able to hear a significant delay. I did not measure but i assume that it is below 20ms. This needs to be checked. It may depend on the PC hardware that is used.

> there is precious little information
> about the FPGA HDL code or any PC support code for WIN/LIN/MAC.

Just look to Jims website. You can download the complete Verilog code there. The Quisk software is currently for Linux and supports also Windows. Windows is far less tested i guess.
Connecting the Frontend to other software would also not be too difficult. I am documenting this currently but takes some time since i have little time currently.

> □ 569.--
This is including german VAT of 20%. I do not know if this has also to be paid by foreign customers. Just ask Helmut. The exchange rate is currently around 1.4, so this is not optimal for the US. Also think about the shipment cost.

I assume overall it is a nice project even if there is still much to do in order to have a full shortwave transceiver.
The boards provided by Helmut are just the first step to provide availability of the hardware and to bring more software developers and users into the project.

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Hi, the SDR arena has been plagued with long delays
> while switching from Receive to Transmit. Several
> commercial unit have had people give up on CW because
> they were unable to get the R/T time down below 80ms.
>
> The ARRL testing of one Commercial unit showed that it
> "did not meet the TOR specification" set by the ARRL at
> 20ms for the old AMTOR and PACTOR modes.
>
> I have seen several comments about the T/R and R/T times
> of the OpenHPSDR equipment as well. Phil VK6APH, has written

> with great pride, that he generates the sidetone for CW
> inside his FPGA in an effort to optimize the QSK capability
> of his K.I.S.S. Windows GUI control code.
>
> Does anyone have any idea what the DB1CC Transceiver boards
> do with respect to T/R? there is precious little information
> about the FPGA HDL code or any PC support code for WIN/LIN/MAC.
>
> Here is what I found on his webpage:
> DB1CC is selling boards, parts, or fully assembled units.
> http://www.technologie2000.de/page5.php
>
> ---------- Google Translation ----------
> HiQSDR DDC SDR modules built, ready-to-use
>
> Complete module "HiQSDR" main TRX module, complete built, Complete
> module "HiQSDR" TRX module main complete, built,
> soldered, tested and fully programmed, ready to use. soldered, tested
> and fully programmed, ready to use.
> incl. CD with all documents including CD with all documents
> ☐ 569.-- / Stück / pcs ☐ 569th - / pc / pcs
> ---
>
> Is that about $850 USD(?) I think there is no case or enclosure yet.
>
> any comments yet? or is it still much too early and units have not yet
> reached the U.S.?
>
> thank you for your help in understanding what this beautiful DDC/DUC
> unit is all about.
>
> 73 de Ken N9VV
>

87. Re: [n2adr-sdr] Re: [Q] T/R times with DB1CC/N2ADR Transceivers?

Yahoo group: n2adr-sdr
Date: 2011-04-22 12:54:38 UTC
From: Ken N9VV
Topic: 85 Message: 87

O.K. yes Jims documentation gives a clear picture of how Quisk is designed for CW ops and QSK. This is really wonderful. I appreciate your clear explanation. Thank you very much for taking the time to help me understand how the package is currently working and what to expect.

mny tnx,
73 de Ken N9VV

On 4/22/2011 2:41 AM, Mario wrote:
> Hi Ken,
>
>> Hi, the SDR arena has been plagued with long delays
>> while switching from Receive to Transmit.
>
> I know about this. Jim, N2ADR wrote QUISK for the purpose of QSK CW operation. The frontend is generating CW directly in the FPGA and the key is also connected there. The demodulator reacts also rather fast.
> When i listened to my transmitted signal and my sidetone (generated at the PC) at the same time i was not able to hear a significant delay. I did not measure but i assume that it is below 20ms. This needs to be checked. It may depend on the PC hardware that is used.
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>> there is precious little information
>> about the FPGA HDL code or any PC support code for WIN/LIN/MAC.
>
> Just look to Jims website. You can download the complete Verilog code there. The Quisk software is currently for Linux and supports also Windows. Windows is far less tested i guess.
> Connecting the Frontend to other software would also not be too difficult. I am documenting this currently but takes some time since i have little time currently.
>
>> ? 569.--
> This is including german VAT of 20%. I do not know if this has also to be paid by foreign customers. Just ask Helmut.
> The exchange rate is currently around 1.4, so this is not optimal for the US. Also think about the shipment cost.
>
> I assume overall it is a nice project even if there is still much to do in order to have a full shortwave transceiver.
> The boards provided by Helmut are just the first step to provide availability of the hardware and to bring more software developers and users into the project.
>
> regards
> Mario, DH5YM
>

88. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-04-27 11:19:26 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 88

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /DB1CC HiQSdr/HiQSDR_V24s/HiQSDR_Parts_yahoo.xls
Uploaded by : helmutgoebkes <hgoebkes@...>
Description : HiQSDR V24t: Key parts & special parts w. distributors and p/n

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/DB1CC%20HiQSdr/HiQSDR_V24s/HiQSDR_Parts_yaho
o.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

helmutgoebkes <hgoebkes@...>

89. Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-04 19:11:20 UTC
From: dan
Topic: 77 Message: 89

Helmut

are there any spec's posted for the receiver? MDS? SFDR? IP3?

thanks, 73, w5xz, dan

90. Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-05 06:01:51 UTC
From: Mario
Topic: 77 Message: 90

Hi Dan,

until now i think nobody has detailed measurements on the RX performance. N2ADR does some statement on the noise figure of his PCB (24dB). In lowest decimation you get a bottom noise level of around 120dB below A/D clipping.
DL7IY and DL7LA stated the following measurements with their PCB:
MDS((S+N)/N=3dB)=-122dBm at 7MHz
Birdies less than -110dBm
IP3 at 7MHz with 10kHz offset: +26dBm

I try to measure such stuff as well next time for my DL7LA/DL7IY PCB.
It is probable that Helmuts PCB will give somehow better results.
My assumption is that the performance will degrade slightly on the higher bands since the A/D converter noise is not equally distributed over frequency.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "dan" <w5xz@...> wrote:
>
> Helmut
>
> are there any spec's posted for the receiver? MDS? SFDR? IP3?
>
> thanks, 73, w5xz, dan
>

91. Re: [n2adr-sdr] Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-05 10:58:34 UTC
From: dan edwards
Topic: 77 Message: 91

mario

thanks. i was thinking the 4-layer board might have better performance than the initial 2 layer printed circuit board.

thinking about collecting parts here in the states, and taking shot at assembly with re-flow soldering in a toaster oven....at least for the larger chips...

73, w5xz, dan

--- On Thu, 5/5/11, Mario <dh5ym@...> wrote:

From: Mario <dh5ym@...>
Subject: [n2adr-sdr] Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards
To: n2adr-sdr@yahoogroups.com
Date: Thursday, May 5, 2011, 6:01 AM

Hi Dan,

until now i think nobody has detailed measurements on the RX performance. N2ADR does some statement on the noise figure of his PCB (24dB). In lowest decimation you get a bottom noise level of around 120dB below A/D clipping.

DL7IY and DL7LA stated the following measurements with their PCB:

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Birdies less than -110dBm

IP3 at 7MHz with 10kHz offset: +26dBm

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regards

Mario

--- In n2adr-sdr@yahoogroups.com, "dan" <w5xz@...> wrote:

>

> Helmut

>

> are there any spec's posted for the receiver? MDS? SFDR? IP3?

>

> thanks, 73, w5xz, dan

>

92. Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-05 12:59:56 UTC
From: Mario
Topic: 77 Message: 92

Hi Dan,

yes, i also assume that the 4-layer board has probably better performance due to reduced noise.

Probably Hans has already some results ?

It is not said that all things of the design are already optimal. Probably improvements are possible in the LNA section and most probably there are also things to improve in the FPGA internal design.

Helmuts PCB is a great and necessary step into the direction to get a reproducible and performant frontend.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, dan edwards <w5xz@...> wrote:
>
> mario
>
> thanks. i was thinking the 4-layer board might have better performance than theÂ initial 2 layer printed circuit board.
>
> thinking about collecting parts here in the states, and taking shot at assemblyÂ with re-flow soldering in a toaster oven....at least for the larger chips...
>
>
> 73, w5xz, dan
>
> --- On Thu, 5/5/11, Mario <dh5ym@...> wrote:
>
> From: Mario <dh5ym@...>
> Subject: [n2adr-sdr] Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards
> To: n2adr-sdr@yahoogroups.com
> Date: Thursday, May 5, 2011, 6:01 AM
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> Hi Dan,
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> until now i think nobody has detailed measurements on the RX performance. N2ADR does some statement on the noise figure of his PCB (24dB). In lowest decimation you get a bottom noise level of around 120dB below A/D clipping.
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> DL7IY and DL7LA stated the following measurements with their PCB:
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> MDS((S+N)/N=3dB)=-122dBm at 7MHz
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> Birdies less than -110dBm
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> IP3 at 7MHz with 10kHz offset: +26dBm
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> I try to measure such stuff as well next time for my DL7LA/DL7IY PCB.
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> It is probable that Helmuts PCB will give somehow better results.
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> My assumption is that the performance will degrade slightly on the higher bands since the A/D converter noise is not equally distributed over frequency.
>
>
>
> regards
>
> Mario
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "dan" <w5xz@> wrote:

>
> >
>
> > Helmut
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>
> > are there any spec's posted for the receiver? MDS? SFDR? IP3?
>
> >
>
> > thanks, 73, w5xz, dan
>
> >
>

93. other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-05 20:07:19 UTC
From: dan
Topic: 93 Message: 93

can other software 'talk' to this rig over the ethernet connection?

like LinRad, GNUradio, or ?? just curious......

73, w5xz, dan

94. Re: [n2adr-sdr] other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-05 20:48:48 UTC
From: Ken N9VV
Topic: 93 Message: 94

Great Question Dan.

There are so many different programs out there right now it is totally amazing :-)

Perseus Software (Microtelecom)
GNUradio
QUISK (http://james.ahlstrom.name/quisk/)
HiQSDR
HDSDR (formerly WinradHD)
WinRadF
WinRad (Alberto I2PHD)
SDRradio (Alberto I2PHD)
SDRMAXII/III/IV (QuickSilver Project N8VB)
Panoptos (QuickSilver Project Ms. Cathy Moss - UK)
K.I.S.S. (OpenHPSDR vy VK6APH)
Heterodyne MAC for OpenHPSDR (Jeremy McDermond NH6Z)
ghpsdr3 (by John Melton G0ORZ/N6LYT OpenHPSDR and Softrock)
QtRadio (by John Melton G0ORZ/N6LYT OpenHPSDR)
jmonitor (by John Melton G0ORZ/N6LYT OpenHPSDR)
CuteSDR (RFSpace netSDR)
PowerSDR (Flex)
PowerSDR.xxx (OpenHPSDR)
PowerSDR-IQ (IF-2000 board from RFSpace)
Rocky
KGKSDR (M0KGK)
Spectraview (RFSpace)
Linrad (Leif SM5BSZ)
iSDR (iPhone)
CUDA (supercomputer parallel code by Hermann DL3HVH)
Skimmer/SkimmerServer (Alex VE3NEA)

I hope others can add to this list. The only consolidated source of this info that I know of is from Christophe Bourguignat F4DAN <f4dan@...> at: http://f4dan.free.fr/sdr_eng.html

thanks for your question Dan,
73 de Ken N9VV

On 5/5/2011 3:07 PM, dan wrote:
> can other software 'talk' to this rig over the ethernet connection?
>
> like LinRad, GNUradio, or ?? just curious......
>
> 73, w5xz, dan
> ------------------------------------

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 110505-1, 05/05/2011
Tested on: 5/5/2011 3:48:49 PM
avast! - copyright (c) 1988-2011 AVAST Software.
http://www.avast.com

95. Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-05 21:34:06 UTC
From: dan
Topic: 93 Message: 95

thanks Ken.

yes i know there is a plethora of software out there now.

I am mainly wondering if there is any Windoze SDR software that
will use the ethernet connection, and offer a panadapter view
in MEGAhertz, instead of KILOhertz....

AND operate and transmitter...HI

73, w5xz, dan.

96. Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-06 05:59:01 UTC
From: Mario
Topic: 93 Message: 96

Ken, thanks for posting the overview !

Dan, i know that recent versions of PowerSDR should have some ethernet support in since the new ethernet adapter for HPSDR is now available. It should not be too difficult to integrate the support for the N2ADR frontend since the control is rather simple.

I fear i have no time to finish the API description this week.
Earliest beginning next week. I can just publish what i already wrote down if someone is interested.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "dan" <w5xz@...> wrote:
>
> thanks Ken.
>
>
> yes i know there is a plethora of software out there now.
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> I am mainly wondering if there is any Windoze SDR software that
> will use the ethernet connection, and offer a panadapter view
> in MEGAhertz, instead of KILOhertz....
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>
> AND operate and transmitter...HI
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> 73, w5xz, dan.
>

97. Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-06 06:07:46 UTC
From: Mario
Topic: 77 Message: 97

Hi,

yesterday i did some few measurements on the receiver of my DL7LA/DL7IY PCB.
I measured the following data:

MDS, sine, 2.8kHz, 300Hz Clipping48k Read Clipping 1M
1.8 -113dBm -122dBm 4.4dBm 2.4dB -6dBm/-0.6
3.6
7.1 -109dBm -119dBm 4.4dBm 2.4dB -6dBm/-0.7
14.2
28.5 -111dBm -121dBm 2.3dBm 2.1dB; max inp reading 0.9dB, noise around -60dB -4dBm/-0.4
50.5 -110dBm -120dBm -1.9dBm -0.7dB; max -4dB, noise -60dB -2dBm/-8.7 very nois

I measured minimum detectable signal when the wanted signal becomes 3dB more than the noise that falls into the desired bandwith for 2.8kHz and 300Hz (2.8kHz just for comparison). In addition i tried to check the clipping input power (and the signal strength reading in QUISK) for two different decimation rates (48kHz and 960kHz).
What i do not unterstand currently is why the both values are different. I also do not know if we can trust these values.
I noticed that long before the receiver clips the noise level left and right of the sine carrier goes up as well. I assume that this is due to the noise of the test transmitter. I have to check if i can find a suitable test generator with such a clean output signal.
I am excited to compare to the results from others.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Dan,
>
> yes, i also assume that the 4-layer board has probably better performance due to reduced noise.
>
> Probably Hans has already some results ?
>
> It is not said that all things of the design are already optimal. Probably improvements are possible in the LNA section and most probably there are also things to improve in the FPGA internal design.
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> Helmuts PCB is a great and necessary step into the direction to get a reproducible and performant frontend.
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> regards
> Mario
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> --- In n2adr-sdr@yahoogroups.com, dan edwards <w5xz@> wrote:
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> > mario
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> > thanks. i was thinking the 4-layer board might have better performance than
theÂ initial 2 layer printed circuit board.
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> > thinking about collecting parts here in the states, and taking shot at assemblyÂ with
re-flow soldering in a toaster oven....at least for the larger chips...
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> > From: Mario <dh5ym@>
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> > > thanks, 73, w5xz, dan
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98. Re: HiQSDR, PCB, Special Parts Kit, Ready-to-use-Boards

Yahoo group: n2adr-sdr
Date: 2011-05-06 06:11:30 UTC
From: Mario
Topic: 77 Message: 98

Sorry for the poor table.
In the yahoo groups view please press message options at the right side and select unwrap lines and use fixed message width.

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
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> Hi,
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> yesterday i did some few measurements on the receiver of my DL7LA/DL7IY PCB.
> I measured the following data:
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> MDS, sine, 2.8kHz, 300Hz Clipping48k Read Clipping 1M
> 1.8 -113dBm -122dBm 4.4dBm 2.4dB -6dBm/-0.6
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> 7.1 -109dBm -119dBm 4.4dBm 2.4dB -6dBm/-0.7
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> 28.5 -111dBm -121dBm 2.3dBm 2.1dB; max inp reading 0.9dB, noise around -60dB -4dBm/-0.4
> 50.5 -110dBm -120dBm -1.9dBm -0.7dB; max -4dB, noise -60dB -2dBm/-8.7 very nois
>
> I measured minimum detectable signal when the wanted signal becomes 3dB more than the noise that falls into the desired bandwith for 2.8kHz and 300Hz (2.8kHz just for comparison). In addition i tried to check the clipping input power (and the signal strength reading in QUISK) for two different decimation rates (48kHz and 960kHz).
> What i do not unterstand currently is why the both values are different. I also do not know if we can trust these values.
> I noticed that long before the receiver clips the noise level left and right of the sine carrier goes up as well. I assume that this is due to the noise of the test transmitter. I have to check if i can find a suitable test generator with such a clean output signal.
> I am excited to compare to the results from others.
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> regards
> Mario
>
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> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi Dan,
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> > yes, i also assume that the 4-layer board has probably better performance due to reduced noise.
> >
> > Probably Hans has already some results ?

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> > It is not said that all things of the design are already optimal. Probably improvements are possible in the LNA section and most probably there are also things to improve in the FPGA internal design.
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> > Helmuts PCB is a great and necessary step into the direction to get a reproducible and performant frontend.
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> > regards
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> > --- In n2adr-sdr@yahoogroups.com, dan edwards <w5xz@> wrote:
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> > > mario
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> > > thinking about collecting parts here in the states, and taking shot at assemblyÂ with re-flow soldering in a toaster oven....at least for the larger chips...
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> > > From: Mario <dh5ym@>
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> > > Birdies less than -110dBm
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> > > I try to measure such stuff as well next time for my DL7LA/DL7IY PCB.
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> > > > are there any spec's posted for the receiver? MDS? SFDR? IP3?
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99. Re: [n2adr-sdr] Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-06 06:43:04 UTC
From: Kaj Wiik
Topic: 93 Message: 99

2011/5/6 Mario <dh5ym@...>

> Dan, i know that recent versions of PowerSDR should have some ethernet support in since the new ethernet adapter for HPSDR is now available. It should not be too difficult to integrate the support for the N2ADR frontend since the control is rather simple.

It may be bit more difficult than that because there are reports that
Windows doesn't handle UDP transfers very well because of latency
issues. Maybe large buffer will help though. See e.g. QEX Jan/Feb 2011
page 14.

Cheers,
Kaj OH6EH

100. Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-06 12:13:53 UTC
From: dan
Topic: 93 Message: 100

Kaj

thanks for the reply

does Linux handle UDP's better? I am not big micro$oft fan, but windows 7 does seem to work..

does HPSDR PowerSDR allow a panadapter to 'see' 1 or 2 Mhz? instead of 200 Khz ??

I am comfortable with PSDR on my flex 3000, and like it. the GUI is nice, IMHO.

And, not sure if I am smart enough to learn Python, without a LOT of coaching...to modify QUISK to my liking...

73, w5xz, dan

101. Re: [n2adr-sdr] Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-06 13:35:34 UTC
From: Kaj Wiik
Topic: 93 Message: 101

2011/5/6 dan <w5xz@...>

> does Linux handle UDP's better?

Yes, 8 Gbit/s has been demonstrated professionally over internet, see e.g.:
http://www.metsahovi.fi/en/vlbi/vsib-docs/eVLBIworkshop.pdf

And the QEX article gives latencies for both, Linux being much more responsive.

However, I have not made any tests with Windows personally, so
increasing buffers _may_ solve the problem for modest speeds (100
Mbit/s) with N2ADR-type cards. I just wanted to mention this to
decrease debugging time for someone :-). Perhaps first step would be
trying QUISK and N2ADR-type card in Windows, if it works, all is well.

73,
Kaj OH6EH

102. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-05-06 14:35:50 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 102

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /DL7LA/AXTAL-PN_80Mc_DL7LA.png
Uploaded by : gwrbfw6 <dl7la@...>
Description : 80 MHz AXTAL crystal oszillator sideband noise at high level input

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/DL7LA/AXTAL-PN_80Mc_DL7LA.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

gwrbfw6 <dl7la@...>

103. Re: High level performance

Yahoo group: n2adr-sdr
Date: 2011-05-06 15:07:37 UTC
From: Guenter DL7LA
Topic: 77 Message: 103

Hi, all,

FYI I made some high level measurements using generators with low phase noise. Pleas see my file area. To emphasize any issuses related to possibly higher ADC sampling errors I deliberately chose 50 and 80 MHz. The AD9912 DDS uses an EPSON 700 MHz clock and the 80 MHz xtal oszillator is manufactured by AXTAL, owned by Bernt Neubig, DK1AG. It has also very low phase noise.

The board used is my experimental 2 layer setup. I also trust that Helmut's boards will be superior due to better grounding and supply filtering.

73 de
Guenter DL7LA

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
>
>
>
> Hi,
>
> yesterday i did some few measurements on the receiver of my DL7LA/DL7IY PCB.
> I measured the following data:
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> MDS, sine, 2.8kHz, 300Hz Clipping48k Read Clipping 1M
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> What i do not unterstand currently is why the both values are different. I also do not know if we can trust these values.
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104. Re: High level performance

Yahoo group: n2adr-sdr
Date: 2011-05-07 15:08:57 UTC
From: dan
Topic: 77 Message: 104

Impressive !!

105. Re: [n2adr-sdr] Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-12 03:48:22 UTC
From: Marciniak, Ed
Topic: 93 Message: 105

Is it an issue of windows not handling the udp well, crummy nic drivers, or something more sinister such as a task scheduler that has larger granularity on time slots?

From: Kaj Wiik [mailto:kaj.wiik@gmail.com]
Sent: Friday, May 06, 2011 01:43 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: other SDR software?

2011/5/6 Mario <dh5ym@yahoo.co.uk<mailto:dh5ym%40yahoo.co.uk>>

> Dan, i know that recent versions of PowerSDR should have some ethernet support in since the new ethernet adapter for HPSDR is now available. It should not be too difficult to integrate the support for the N2ADR frontend since the control is rather simple.

It may be bit more difficult than that because there are reports that
Windows doesn't handle UDP transfers very well because of latency
issues. Maybe large buffer will help though. See e.g. QEX Jan/Feb 2011
page 14.

Cheers,
Kaj OH6EH

106. Re: [n2adr-sdr] Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-12 03:44:40 UTC
From: Marciniak, Ed
Topic: 93 Message: 106

Using a process with a hardware high resolution timer to drive a (sofware) event to send data udp from a tx buffer, buffering it on receive as needed, and sending a packet to application from rx buffer each time a packet is sent should be pretty straightforward. It should be possible to calulate the buffer size to be half full at a nominal millisecond delay. To correct for a miscalibrated pc clock, the high resolution timer setpoint could be adjusted. In an ideal world, I wonder if one could write a kernel device driver that could export a stream as if it were a firewire device but have an ethernet back end, allowing the application to ignore the actual type of interface providing the data. Even better would be to find a way to calibrate the timer such that the os task scheduler happened to have an integer number of time intervals between transfers, say every 16th timeslot, with a real time priority to virtually eliminate jitter with a fixed size buffer (the alternative is to transfer a variable number of sample pairs and rely on the application to process a certain number of samples convenient for fft/ifft each time slot with a small buffer of its own).

The design philosophy I have in mind is sort of like what you'd find in synchronous optical network hardware that processes packetized data (for FEC), but at the same time has a mux to provide drop/insert functions. The average line rate is locked in step between sources even though there is a small amount of jitter.

Thoughts?

From: Kaj Wiik [mailto:kaj.wiik@gmail.com]
Sent: Friday, May 06, 2011 08:35 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: other SDR software?

2011/5/6 dan <w5xz@att.net<mailto:w5xz%40att.net>>

> does Linux handle UDP's better?

Yes, 8 Gbit/s has been demonstrated professionally over internet, see e.g.:
http://www.metsahovi.fi/en/vlbi/vsib-docs/eVLBIworkshop.pdf

And the QEX article gives latencies for both, Linux being much more responsive.

However, I have not made any tests with Windows personally, so
increasing buffers _may_ solve the problem for modest speeds (100
Mbit/s) with N2ADR-type cards. I just wanted to mention this to
decrease debugging time for someone :-). Perhaps first step would be
trying QUISK and N2ADR-type card in Windows, if it works, all is well.

73,
Kaj OH6EH

107. Re: [n2adr-sdr] Re: other SDR software?

Yahoo group: n2adr-sdr
Date: 2011-05-12 08:48:56 UTC
From: Kaj Wiik
Topic: 93 Message: 107

2011/5/12 Marciniak, Ed <elmarciniak@...>

> Is it an issue of windows not handling the udp well, crummy nic drivers, or something more sinister such as a task scheduler that has larger granularity on time slots?

We discussed about this a while ago in the SDR-Widget group and Sivan Toledo wrote a very good summary:

"The problem is not the network, usually. The problem is that the SDR application is not scheduled often enough. Usually it is, but sometimes the PC may decide to run something else for say 200ms, or even 500ms. There is not enough RAM in the MCU to bridge over these gaps, so you will lose the transmit signal. At data rates of say 92ks/s, this happens every few seconds; it's not rare. I don't know of a way to resolve this with UDP. But I did manage to overcome the problem with TCP. Basically, the application puts enough audio in the socket to bridge over these gaps (say a second of audio). Then the MCU essentially pulls the data by acking packets, and this causes the OS on the PC to send more and more audio out of the buffer. This goes on even while the OS is running other processes. UDP works well for receive, though."

So, if I understand correctly, the problem is in transmit when Windows is producing the stream and the scheduler sometimes forgets the existence of the UDP transmit process for awhile. Using larger buffers help but increases latency. If you have a way to schedule processes regularly in Windows, there should be no problem.

Using TCP would be a possibility but doing it in FPGA is much more difficult than UDP.

Sivan's article about this in QEX is also a very good reading.

Cheers,
Kaj OH6EH

108. WFM

Yahoo group: n2adr-sdr
Date: 2011-05-13 09:11:30 UTC
From: mrzfrn
Topic: 108 Message: 108

Is HiQSDR-TRX good for receiving Band II
WideFM-Commercial-Broadcasting 87.5-108 MHz ?
ADC runs at 125 MHz , undersampling should be OK.
A good WFM anti-alias-filter and LNA add-on to HiQSDR
on some not too distant future ?

Francesco

109. Re: WFM

Yahoo group: n2adr-sdr
Date: 2011-05-14 18:59:49 UTC
From: Mario
Topic: 108 Message: 109

Hi Francesco,

currently there is a lowpass filter before the ADC that should filter out frequencies above 62MHz. You would need to not populate or to remove it and use a bandpass filter.
I assume that nobody is working on such a extension currently but probably that is an interesting idea to try the extension of the receiver part. DL7LA/DL7IY already tried reception of 144MHz band.
One problem of quisk is that there is currently no demodulator for WBFM signals. I know of no SDR software that has this implemented currently.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "mrzfrn" <mrzfrn@...> wrote:
>
> Is HiQSDR-TRX good for receiving Band II
> WideFM-Commercial-Broadcasting 87.5-108 MHz ?
> ADC runs at 125 MHz , undersampling should be OK.
> A good WFM anti-alias-filter and LNA add-on to HiQSDR
> on some not too distant future ?
>
> Francesco
>

110. Re: BC WFM and up, some undersampling results

Yahoo group: n2adr-sdr
Date: 2011-05-15 12:23:00 UTC
From: Guenter DL7LA
Topic: 108 Message: 110

Hi, Francesco and group,

I hooked up my HP8645B generator directly to the ADT4-6T transformer input at my setup. Input level was -60 dBm. FYI here are some results in the notation ' generator frequency in MHz / display reading in dB scale on the display in GrapH mode'. Sampling rate was 240 kSps:

10/-60; 30/-58; 40/-61; 50/-59; 60/-60; 70/-61; 80/-63; 90/-65; 100/-65; 110/-67; 120/-70; 122,88+\-100 kc/abt-80; 130/-68; 140/-70; 150/-70; 160/-72; 180/-75; 200/-75; 220/-78, 245/-80

Thus with a suitable amplifier in front even the 220-Mc operators should be pleased;-)

HTH
Guenter DL7LA

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Francesco,
>
> currently there is a lowpass filter before the ADC that should filter out frequencies above 62MHz. You would need to not populate or to remove it and use a bandpass filter.
> I assume that nobody is working on such a extension currently but probably that is an interesting idea to try the extension of the receiver part. DL7LA/DL7IY already tried reception of 144MHz band.
> One problem of quisk is that there is currently no demodulator for WBFM signals. I know of no SDR software that has this implemented currently.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "mrzfrn" <mrzfrn@> wrote:
> >
> > Is HiQSDR-TRX good for receiving Band II
> > WideFM-Commercial-Broadcasting 87.5-108 MHz ?
> > ADC runs at 125 MHz , undersampling should be OK.
> > A good WFM anti-alias-filter and LNA add-on to HiQSDR
> > on some not too distant future ?
> >
> > Francesco
> >
>

111. Re: WFM

Yahoo group: n2adr-sdr
Date: 2011-05-16 08:03:30 UTC
From: mrzfrn
Topic: 108 Message: 111

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Francesco,
>
> I assume that nobody is working on such a extension
Add-on hardware are available now.
FMC-108-28 converts FM broadcast band to shortwave .
(http://www.nti-online.de/eFMC%20108-28.htm)
I got it and it works great for me.
My setup:
FMC + QSD receiver + 192kHz/24 bit soundcard .
One single board should be much better !

> One problem of Quisk is that there is currently no demodulator for >WBFM signals.
True, but soon or later it will be there.
Some source code GPL is available:
http://sourceforge.net/projects/fmstack/
It works on PERSEUS receiver .
Unfortunately it is modern C++ code, very well written.
Andrea Montefusco (private communication)
ported it to Perseus-Linux software.
Integration on Quisk can be done only by a quite competent
programmer !

>I know of no SDR software that has this implemented currently.
>
WRplus (derivative of Winrad by Sandro Sfregola,
http://www.wrplus.altervista.org) dit it quite well I must say.
Unfortunately Windows binary and commercial product quite soon
GNUradio shoud have some code , I don't remember written by who

Francesco

112. HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-16 13:21:35 UTC
From: Helmut Goebkes
Topic: 112 Message: 112

Hi Group members,

The new Version 2.4t Boards arrived on Friday.
All bord orders are deliveres next two days.
All parts for the complete modules are sent to the factory
but the CVHD-950 122.88 MHz oscillatore is not available
before June 15. I spent nearly one day phone around the world to
get them faster but i had no luck to get them before 15th June.
Now we complete the boards without the oscillator as first.
I add the oscillator by hand if they arrived to hold the delivery
time for complete boards as short as possible, but the delivery
will be delayed approx. 2 weeks.
The reason for the delivery delay of the 122.88 MHz osc is the
Japanese catastrophes, the distruibtors told me.
I do not know if this is the truth, but we have to deal with it...

On the Weekend i made a sample assembly of the new board by hand
to check for any problems. After assembling, soldering (Reflow) and
cleaning the board, programming the FPGA and setup was done just
in a few minutes. All works from the first moment on as expected and the measurement
results are equal to the one made at the prototype, so noone should have any problems with
it.

Shure, if yo have questions or problems, you can contact me
(best via email)

I corrected the partslist for two minor changes
(RN1,R39=1K instead of 10K).
A friend of mine (DG7MGY) helped me to bring the complete files
and assembly instructions to a CD, usable with any Browser.
Also we added all relevant data sheets as well as assembnly
pictures and partslist as PDF and/or Excel files.
In the files area, you will find actual pictures from the
sample assembly and the board.

73 de Helmut, DB1CC

113. Re: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-16 13:42:02 UTC
From: Sid Boyce
Topic: 112 Message: 113

Thanks for the update Helmut.
Sourcing parts can be a major headache, even for ones you think should
easily be found.
I also requested my board be programmed for IP address 192.168.10.20 as
I learned from Jim that to do so requires reprogramming the FPGA.
73 ... Sid.

On 16/05/11 14:21, Helmut Goebkes wrote:
> Hi Group members,
>
> The new Version 2.4t Boards arrived on Friday.
> All bord orders are deliveres next two days.
> All parts for the complete modules are sent to the factory
> but the CVHD-950 122.88 MHz oscillatore is not available
> before June 15. I spent nearly one day phone around the world to
> get them faster but i had no luck to get them before 15th June.
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> I add the oscillator by hand if they arrived to hold the delivery
> time for complete boards as short as possible, but the delivery
> will be delayed approx. 2 weeks.
> The reason for the delivery delay of the 122.88 MHz osc is the
> Japanese catastrophes, the distruibtors told me.
> I do not know if this is the truth, but we have to deal with it...
>
> On the Weekend i made a sample assembly of the new board by hand
> to check for any problems. After assembling, soldering (Reflow) and
> cleaning the board, programming the FPGA and setup was done just
> in a few minutes. All works from the first moment on as expected and the
> measurement results are equal to the one made at the prototype, so noone
> should have any problems with it.
>
> Shure, if yo have questions or problems, you can contact me
> (best via email)
>
> I corrected the partslist for two minor changes
> (RN1,R39=1K instead of 10K).
> A friend of mine (DG7MGY) helped me to bring the complete files
> and assembly instructions to a CD, usable with any Browser.
> Also we added all relevant data sheets as well as assembnly
> pictures and partslist as PDF and/or Excel files.
> In the files area, you will find actual pictures from the
> sample assembly and the board.
>
> 73 de Helmut, DB1CC
>

>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

114. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-16 14:07:14 UTC
From: Helmut Goebkes
Topic: 112 Message: 114

Hi Sid,

no problem, you got yours with the different IP ;-)

73 de Helmut, DB1CC

115. Re: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-16 14:30:33 UTC
From: Peter Horne
Topic: 112 Message: 115

Thanks for the update Helmut. OK on the oscillator delivery problems.
73
Peter G3JRH
----- Original Message -----
From: Helmut Goebkes
To: n2adr-sdr@yahoogroups.com
Sent: Monday, May 16, 2011 2:21 PM
Subject: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

Hi Group members,

The new Version 2.4t Boards arrived on Friday.
All bord orders are deliveres next two days.
All parts for the complete modules are sent to the factory
but the CVHD-950 122.88 MHz oscillatore is not available
before June 15. I spent nearly one day phone around the world to
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I do not know if this is the truth, but we have to deal with it...

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pictures and partslist as PDF and/or Excel files.
In the files area, you will find actual pictures from the
sample assembly and the board.

73 de Helmut, DB1CC

116. Re: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-16 14:48:33 UTC
From: Sid Boyce
Topic: 112 Message: 116

Thanks Helmut.
73 ... Sid.

On 16/05/11 15:07, Helmut Goebkes wrote:
> Hi Sid,
>
> no problem, you got yours with the different IP ;-)
>
> 73 de Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

117. Re: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 14:42:52 UTC
From: Hans Brandl
Topic: 112 Message: 117

Helmut,
I received the board well and started assembly.
Is there something like a programming instruction available (loading the FPGA code into the EPCS16, which programmer or tool is useful ?)

best regards
dc4mg, Hans

----- Original Message -----
From: Helmut Goebkes
To: n2adr-sdr@yahoogroups.com
Sent: Monday, May 16, 2011 3:21 PM
Subject: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

Hi Group members,

The new Version 2.4t Boards arrived on Friday.
All bord orders are deliveres next two days.
All parts for the complete modules are sent to the factory
but the CVHD-950 122.88 MHz oscillatore is not available
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In the files area, you will find actual pictures from the

sample assembly and the board.

73 de Helmut, DB1CC

118. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 17:05:11 UTC
From: Hubert
Topic: 112 Message: 118

Hello Hans,
take a look to the CD open index.htm with your favorite Webbrowser
you will find Information under Software->The FPGA.

You need the FPGA Software from N2ADR (on CD),
Altera Quartus Web Edition IDE. Follow the Weblink from the CD, about 2Gb to Download from Altera Website and a JTAG Programmer who will works with the Altera Quartus IDE and the FPGA.

A good and cheap Adapter are the EEBlaster from Entner Electronics,
also as Weblink on the CD.

Also you will find more Information at the Altera Cyclone III Handbook
(on CD)

73 de Hubert DG7MGY

--- In n2adr-sdr@yahoogroups.com, "Hans Brandl" <hans.brandl@...> wrote:
>
> Helmut,
> I received the board well and started assembly.
> Is there something like a programming instruction available (loading the FPGA code into the EPCS16, which programmer or tool is useful ?)
>
> best regards
> dc4mg, Hans
>
>
> ----- Original Message -----
> From: Helmut Goebkes
> To: n2adr-sdr@yahoogroups.com
> Sent: Monday, May 16, 2011 3:21 PM
> Subject: [n2adr-sdr] HiQSDR V2.4 Boards / Kits
>
>
>
>
> Hi Group members,
>
> The new Version 2.4t Boards arrived on Friday.
> All bord orders are deliveres next two days.
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>
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> In the files area, you will find actual pictures from the
> sample assembly and the board.
>
> 73 de Helmut, DB1CC
>

119. Errata HiQSDR Bill of Material

Yahoo group: n2adr-sdr
Date: 2011-05-22 17:52:31 UTC
From: Helmut Goebkes
Topic: 119 Message: 119

Hello Group,

Hans Barandl told me that i forgot T1,T2,and T3 in the Bill-of-material (BOM) List. This three transistors are FDN302P and easily availabe from several distibutors.

A insconsitency exist between BOM and Circuit diagram:
Please be shure that R8=3K9, R9=1M (can also be ommitted) and L10=15uH
(Mikrohenry!) In my Bom all is correct, but maybe older Versions of Circuit shows different values.

The drawing of the heat spreader was printed mirrored. The slot milled
must not be in the lower right side, it must be at the lower left side!
If anybody needs heat spreader, Technologie 2000 have them on stock
(including silicone foil to isolated the heatspreader)

73 de Helmut, DB1CC

120. Re: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 18:24:24 UTC
From: Hans Brandl
Topic: 112 Message: 120

Hubert,
sorry, I was not shure and I did not read the handbook in detail.
Does this mean that the EPCS16 can be loaded via the JTAG protocol ?
Then I assume it would be sufficient building a wiring adapter between the HiQSDR connector and the JTAG ?

73 de Hans

----- Original Message -----
From: Hubert
To: n2adr-sdr@yahoogroups.com
Sent: Sunday, May 22, 2011 7:05 PM
Subject: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits

Hello Hans,
take a look to the CD open index.htm with your favorite Webbrowser
you will find Information under Software->The FPGA.

You need the FPGA Software from N2ADR (on CD),
Altera Quartus Web Edition IDE. Follow the Weblink from the CD, about 2Gb to Download from Altera Website and a JTAG Programmer who will works with the Altera Quartus IDE and the FPGA.

A good and cheap Adapter are the EEBlaster from Entner Electronics,
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Also you will find more Information at the Altera Cyclone III Handbook
(on CD)

73 de Hubert DG7MGY

--- In n2adr-sdr@yahoogroups.com, "Hans Brandl" <hans.brandl@...> wrote:
>
> Helmut,
> I received the board well and started assembly.
> Is there something like a programming instruction available (loading the FPGA code into the EPCS16, which programmer or tool is useful ?)
>
> best regards
> dc4mg, Hans
>
>
> ----- Original Message -----
> From: Helmut Goebkes
> To: n2adr-sdr@yahoogroups.com
> Sent: Monday, May 16, 2011 3:21 PM
> Subject: [n2adr-sdr] HiQSDR V2.4 Boards / Kits

>
>
>
> Hi Group members,
>
> The new Version 2.4t Boards arrived on Friday.
> All bord orders are deliveres next two days.
> All parts for the complete modules are sent to the factory
> but the CVHD-950 122.88 MHz oscillatore is not available
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> sample assembly and the board.
>
> 73 de Helmut, DB1CC
>

121. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 18:54:08 UTC
From: Hubert
Topic: 112 Message: 121

Hello Hans,
yes all what you need is the fpga sources, the Quartus IDE
and a suitable JTAG Adapter.
Helmut use the EEBlaster Adapter which is connected to the Board.

73 de Hubert

--- In n2adr-sdr@yahoogroups.com, "Hans Brandl" <hans.brandl@...> wrote:
>
> Hubert,
> sorry, I was not shure and I did not read the handbook in detail.
> Does this mean that the EPCS16 can be loaded via the JTAG protocol ?
> Then I assume it would be sufficient building a wiring adapter between the HiQSDR connector and the JTAG ?
>
> 73 de Hans
>
> ----- Original Message -----
> From: Hubert
> To: n2adr-sdr@yahoogroups.com
> Sent: Sunday, May 22, 2011 7:05 PM
> Subject: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits
>
>
>
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>
> 73 de Hubert DG7MGY
>
> --- In n2adr-sdr@yahoogroups.com, "Hans Brandl" <hans.brandl@> wrote:

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> > Is there something like a programming instruction available (loading the FPGA code into the EPCS16, which programmer or tool is useful ?)
> >
> > best regards
> > dc4mg, Hans
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> > ----- Original Message -----
> > From: Helmut Goebkes
> > To: n2adr-sdr@yahoogroups.com
> > Sent: Monday, May 16, 2011 3:21 PM
> > Subject: [n2adr-sdr] HiQSDR V2.4 Boards / Kits
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> > 73 de Helmut, DB1CC
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>

122. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 19:07:59 UTC
From: Hubert
Topic: 112 Message: 122

Hello Hans,
i forgot the connector to the JTAG are X4 MICROMATCH_10

Pin1 DCLK
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Pin5 NCONFIG
Pin6 NCE
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At the moment i have no equipment to give you more Infos about
the steps in Altera Quartus Software.

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> > From: Hubert
> > To: n2adr-sdr@yahoogroups.com
> > Sent: Sunday, May 22, 2011 7:05 PM
> > Subject: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits
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>

123. Re: [n2adr-sdr] Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-22 20:20:45 UTC
From: Hans Brandl
Topic: 112 Message: 123

Hubert,
thanks a lot , this was the missing link.
I will try my own blaster (which has this typical 2*5 pin JTAG connector) and report back whenever I have news (probably not so early , I will travel the full next week).

73 dc4mg, Hans

----- Original Message -----
From: Hubert
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Sent: Sunday, May 22, 2011 9:07 PM
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124. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-05-23 06:32:57 UTC
From: Hubert
Topic: 112 Message: 124

Hello Hans,
more Information about programing yo will find at chapter 9. Configuration, Design Security, and Remote System Upgrades in the Cyclone III Device Family Handbook. (Site 161)
The Altera programed in AS-Mode Fast Active serial (AS) see Pinout X4

Comparison between AS and JTAG with 10pos. Connector Pinout
AS JTAG Pin

DCLK TCK 1
GND GND 2
CONF_DONE TDO 3
Vtarget Vtarget 4 (+3,3V)
nCONFIG TMS 5
unused nCE 6
DATAOUT unused 7
unused nCS 8
ASDI TDI 9
GND GND 10

If you have a JTAG Adapter maybe it will works with the Altera Quartus Software.
My own JTAG Adapter dont work with Altera Quartus Software in AS-Mode.

73 de Hubert DG7MGY

--- In n2adr-sdr@yahoogroups.com, "Hans Brandl" <hans.brandl@...> wrote:
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> Hubert,
> thanks a lot , this was the missing link.
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125. Programming the FPGA

Yahoo group: n2adr-sdr
Date: 2011-05-23 08:45:45 UTC
From: Helmut Goebkes
Topic: 125 Message: 125

Hi Hans, Hubi, Hi List

programming the FPGA is quite easy.
You should have an installed Quartus 10 on your pc and the drivers
installedfor your programmer (eeblaster or similar) as a starting point.
The you have to define the transceiver project in quartus and synthesize the project by
starting the full compilation (Read Handbook or help how to do this).
After having a coffe-break (systhesis needs about 10 minutes...)
the result will end in about 15 warnings - you can ignore them but there should be "NO
ERRORs".
Then go into the tools menu, click "programmer" and select
"active serial programming" from the pull-down menu.
load file "Transceiver.POF" as programming file,
Check in the file window "program/configure, "verify" and "blank check" then star
programming the "Transceiver.POF" as programming file and start...

After some seconds blank check, programming and verification
is done. now separate the HiQSDR from the programmer and toggle power.

The current consumed after programmed the FPGA rises from approx 350mA
before programming to about 950mA after programming because the programm is working
internal now with the clock speed....

Next connect a network cable and try PINGing the HiQSDR....

73!
Helmut, DB1CC

126. PCB Files?

Yahoo group: n2adr-sdr
Date: 2011-05-24 14:53:49 UTC
From: Rob Frohne
Topic: 126 Message: 126
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

Are the latest PCB files available? If so, where?

Thanks,

Rob

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

127. Re： [n2adr-sdr] PCB Files?

Yahoo group: n2adr-sdr
Date: 2011-05-31 11:51:58 UTC
From: Yu Disong
Topic: 126 Message: 127

Where can we find this?

--- 11年5月24日，周二, Rob Frohne <rob.frohne@...> 写道：

发件人: Rob Frohne <rob.frohne@wallawalla.edu>
主题: [n2adr-sdr] PCB Files?
收件人: n2adr-sdr@yahoogroups.com
日期: 2011年5月24日,周二,下午10:53

Hi All,

Are the latest PCB files available? If so, where?

Thanks,

Rob

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Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
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100 SW 4th Street
College Place, WA 99324
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128. Re: Reï¼□ [n2adr-sdr] PCB Files?

Yahoo group: n2adr-sdr
Date: 2011-05-31 18:45:22 UTC
From: Mario
Topic: 126 Message: 128

You may ask Helmut for the Gerber files directly. They are not in the forum currently.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Where can we find this?
>
> --- 11å¹´5æ□□24æ□¥ï¼□å¨ä°□, Rob Frohne <rob.frohne@...> å□□é□"ï¼□
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>
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129. Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-02 06:12:50 UTC
From: Rob Frohne
Topic: 129 Message: 129
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

What ideas/wishes do you have for the next generation of the hardware?
I'm considering doing an open board layout in Kicad. One thing I have
some interest in is adapting the N2ADR design for use as a vector
network analyzer.

73,

Rob
KL7NA

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130. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-02 09:05:07 UTC
From: Kaj Wiik
Topic: 129 Message: 130

Hi!

2011/6/2 Rob Frohne <rob.frohne@...>
> What ideas/wishes do you have for the next generation of the hardware?
> I'm considering doing an open board layout in Kicad. One thing I have

I have converted the Eagle format N2ADR schematic & libarary to Kicad
if you are interested. It is quite easy, perhaps you have done it
already.

> some interest in is adapting the N2ADR design for use as a vector
> network analyzer.

Good idea! Maybe it would be useful to make a modular design and put
FPGA and ethernet chip to a separate smaller board?

Cheers,
Kaj OH6EH

131. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-02 12:11:48 UTC
From: Marciniak, Ed
Topic: 129 Message: 131

Tying 2 or more units to a common clock would be a nice option. The pcb pads for buffer and clock in/out connectors could be left empty and populated as an option.

Gigabit ethernet support would be nice.

Providing a port for a cypress fx2 cpu would allow for doing certain things that are hard to do in fpga. An example that comes to mind is receiving a control packet to change the udp port or ip address, or perhaps uploading filter coefficients. Supporting an lcd display and/or encoder for tuning would be another (tuning on an encoder is simple enough, but extra logic area would be used to provide a variable tuning rate dependant on how the knob is being used).

Transferring an audio stream using H.323 or SIP would be nice since it would allow transfers through firewalls, QOS and buffering, but would require a processor to handle.

From: Rob Frohne [mailto:rob.frohne@wallawalla.edu]
Sent: Thursday, June 02, 2011 01:12 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] Next Generation?

Hi All,

What ideas/wishes do you have for the next generation of the hardware?
I'm considering doing an open board layout in Kicad. One thing I have
some interest in is adapting the N2ADR design for use as a vector
network analyzer.

73,

Rob
KL7NA

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

132. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-02 14:07:38 UTC
From: Ken N9VV
Topic: 129 Message: 132

Check with Phil Harman VK6APH in the OpenHPSDR group:
VK6APH Phil Harman <phil@...> who has been
thinking about how to adapt the HPSDR Mercury DDC receiver
for VNA work. He may have some great ideas for you.

GL de Ken N9VV

On 6/2/2011 1:12 AM, Rob Frohne wrote:
> Hi All,
>
> What ideas/wishes do you have for the next generation of the hardware?
> I'm considering doing an open board layout in Kicad. One thing I have
> some interest in is adapting the N2ADR design for use as a vector
> network analyzer.
>
> 73,
>
> Rob
> KL7NA
>

--

133. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-02 20:16:35 UTC
From: Mario
Topic: 129 Message: 133

Hi,

nice idea to do a layout with KiCad. It should be possible at least.
I did not use it for large things until now.

For the moment i have no additional wishes to the frontend hardware. First i want to see, what we can do with the current one.

I assume there will be some possibilities for improvements in the FPGA design (spur free range of the digital oscillator) and also increasing the usable bandwith. Further things may be switching the board to TX from the GUI for SSB and probably full duplex.

For VNA operation you would need a second RX channel for the reference channel or do you know another way ?
With an Dual Channel ADC this would be more easy to do.

Regarding a Gigabit Ethernet interface i understood from Jim that the FPGA would limit the speed. So if someone would like to use a Gigabit Ethernet it might be necessary to switch to another FPGA.

What i think is also interesting would be to have demodulation and control independent from a PC. Probably that could be done by a second FPGA board or by a DSP board.
PA and selection are other points on the way to a complete transceiver.

Regarding the PC software there is much to do to get a fully usable transceiver. Sub-RX and some other goodies ;)
What i think could be very interesting is a kind of colaborative receiver that can be used for locating the origin of signals that appear on shortwave by measuring the signal propagation time.
Another thing would be the usage as a software defined transponder.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Check with Phil Harman VK6APH in the OpenHPSDR group:
> VK6APH Phil Harman <phil@...> who has been
> thinking about how to adapt the HPSDR Mercury DDC receiver
> for VNA work. He may have some great ideas for you.
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> GL de Ken N9VV
>
> On 6/2/2011 1:12 AM, Rob Frohne wrote:
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> >
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> > I'm considering doing an open board layout in Kicad. One thing I have
> > some interest in is adapting the N2ADR design for use as a vector
> > network analyzer.
> >
> > 73,
> >
> > Rob
> > KL7NA
> >
>
> --
>

134. Re: [n2adr-sdr] Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-03 05:38:59 UTC
From: Rob Frohne
Topic: 129 Message: 134
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mario, et. al.,

The second A/D for the VNA detector is too expensive for me. I was thinking of something like this <http://www.dxatlas.com/Rocky/Files/Rocky_VNA_v1c.pdf> idea from N2PK. Thanks for all the ideas and discussion.

73,

Rob
KL7NA

On 06/02/2011 01:16 PM, Mario wrote:
> Hi,
>
> nice idea to do a layout with KiCad. It should be possible at least.
> I did not use it for large things until now.
>
> For the moment i have no additional wishes to the frontend hardware.
> First i want to see, what we can do with the current one.
>
> I assume there will be some possibilities for improvements in the FPGA
> design (spur free range of the digital oscillator) and also increasing
> the usable bandwith. Further things may be switching the board to TX
> from the GUI for SSB and probably full duplex.
>
> For VNA operation you would need a second RX channel for the reference
> channel or do you know another way ?
> With an Dual Channel ADC this would be more easy to do.
>
> Regarding a Gigabit Ethernet interface i understood from Jim that the
> FPGA would limit the speed. So if someone would like to use a Gigabit
> Ethernet it might be necessary to switch to another FPGA.
>
> What i think is also interesting would be to have demodulation and
> control independent from a PC. Probably that could be done by a second
> FPGA board or by a DSP board.
> PA and selection are other points on the way to a complete transceiver.
>
> Regarding the PC software there is much to do to get a fully usable
> transceiver. Sub-RX and some other goodies ;)
> What i think could be very interesting is a kind of colaborative
> receiver that can be used for locating the origin of signals that
> appear on shortwave by measuring the signal propagation time.

> Another thing would be the usage as a software defined transponder.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Ken N9VV <n9vv@...> wrote:
> >
> > Check with Phil Harman VK6APH in the OpenHPSDR group:
> > VK6APH Phil Harman <phil@...> who has been
> > thinking about how to adapt the HPSDR Mercury DDC receiver
> > for VNA work. He may have some great ideas for you.
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> > GL de Ken N9VV
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> > On 6/2/2011 1:12 AM, Rob Frohne wrote:
> > > Hi All,
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> > > network analyzer.
> > >
> > > 73,
> > >
> > > Rob
> > > KL7NA
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> > --
> >
>
>

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

135. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-03 09:47:15 UTC
From: Mario
Topic: 129 Message: 135

Hi Rob,

thanks for the link.
I assume that the modification he describes brings a part of the original signal to the QSD and the received signal to the second channel only, right ? So the concept is rather similar to what
it is done in the VNWA2+ from DG8SAQ.
Currently i do not know if it is possible to switch on RX and TX of the N2ADR frontend at the same time. This would probably be the first challenge. But we are rather at the beginning of this interesting project. Lets see how much we can achieve. My opinion is that the people that contribute also set the direction ;)

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
>
> Hi Mario, et. al.,
>
> The second A/D for the VNA detector is too expensive for me. I was
> thinking of something like this
> <http://www.dxatlas.com/Rocky/Files/Rocky_VNA_v1c.pdf> idea from N2PK.
> Thanks for all the ideas and discussion.
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> 73,
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> Rob
> KL7NA
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> On 06/02/2011 01:16 PM, Mario wrote:
> >
> > Hi,
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> > nice idea to do a layout with KiCad. It should be possible at least.
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> > For the moment i have no additional wishes to the frontend hardware.
> > First i want to see, what we can do with the current one.
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> > I assume there will be some possibilities for improvements in the FPGA
> > design (spur free range of the digital oscillator) and also increasing
> > the usable bandwith. Further things may be switching the board to TX
> > from the GUI for SSB and probably full duplex.
> >
> > For VNA operation you would need a second RX channel for the reference
> > channel or do you know another way ?

> > With an Dual Channel ADC this would be more easy to do.
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> > Regarding a Gigabit Ethernet interface i understood from Jim that the
> > FPGA would limit the speed. So if someone would like to use a Gigabit
> > Ethernet it might be necessary to switch to another FPGA.
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> > What i think is also interesting would be to have demodulation and
> > control independent from a PC. Probably that could be done by a second
> > FPGA board or by a DSP board.
> > PA and selection are other points on the way to a complete transceiver.
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> > Regarding the PC software there is much to do to get a fully usable
> > transceiver. Sub-RX and some other goodies ;)
> > What i think could be very interesting is a kind of colaborative
> > receiver that can be used for locating the origin of signals that
> > appear on shortwave by measuring the signal propagation time.
> > Another thing would be the usage as a software defined transponder.
> >
> > regards
> > Mario
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Ken N9VV <n9vv@> wrote:
> > >
> > > Check with Phil Harman VK6APH in the OpenHPSDR group:
> > > VK6APH Phil Harman <phil@> who has been
> > > thinking about how to adapt the HPSDR Mercury DDC receiver
> > > for VNA work. He may have some great ideas for you.
> > >
> > > GL de Ken N9VV
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> > > On 6/2/2011 1:12 AM, Rob Frohne wrote:
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> > > > What ideas/wishes do you have for the next generation of the hardware?
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> > > > some interest in is adapting the N2ADR design for use as a vector
> > > > network analyzer.
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> --
> Rob Frohne, Ph.D., P.E.
> E.F. Cross School of Engineering
> Walla Walla University
> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
>

136. Valpey Fisher 125 MHz low noise oscillators cheap on ebay!

Yahoo group: n2adr-sdr
Date: 2011-06-10 17:44:38 UTC
From: Rob Frohne
Topic: 136 Message: 136
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

These oscillators used to be about $100 each if my memory serves right.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=160596753547

This seller only wants $5.50 shipped.

73,

Rob

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

137. Re: Valpey Fisher 125 MHz ---- unusable here....

Yahoo group: n2adr-sdr
Date: 2011-06-11 09:09:21 UTC
From: Helmut Goebkes
Topic: 136 Message: 137

Hi Rob,

the oscillator you suggest is unusable in this application.
First, the frequency must be 122.88MHz, not 125MHz, because 122,88MHz
is even devidable into 48KHz. The Software is not able to handle non-integer dividable main osc frequencies.
Second, the "low phase noise" claimed is not really good,
the sugessted osc has 1pS compared to 0.13pS of the Crystec CVHD-950

73
Helmut, DB1CC

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
>
> Hi All,
>
> These oscillators used to be about $100 each if my memory serves right.
>
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=160596753547
>
> This seller only wants $5.50 shipped.
>
> 73,
>
> Rob
>
> --
> Rob Frohne, Ph.D., P.E.
> E.F. Cross School of Engineering
> Walla Walla University
> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
>

138. 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-11 15:17:10 UTC
From: Christopher Bartram
Topic: 138 Message: 138

Hello everyone!

It strikes me that the performance of the transceiver is such that it would be worth anybody designing a new board adding provision for an external 128.88MHz input. That way it would be easy to use a very low noise discrete component oscillator - packaged oscillators tend to have relatively poor close-in spectrum - locked to to an external frequency standard.

I'm looking at doing that on the board I eventually hope to make for myself, and I've been waiting for Rob to produce his Kicad version of the PCB so that I can modify it!

I know something about the design of low-noise oscillators, and I've been thinking about ways of locking a 128.88MHz oscillator to 10MHz adequately cleanly. The problem is a little more subtle than using a low-cost synthesiser chip ...

Vy 73

Chris
GW4DGU

139. Re: [n2adr-sdr] 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-11 15:24:18 UTC
From: dan edwards
Topic: 138 Message: 139

stupid question, i know...but

is there a consensus the Si 570 is not 'clean enough' ?

73, w5xz, dan

--- On Sat, 6/11/11, Christopher Bartram <cbartram@...> wrote:

From: Christopher Bartram <cbartram@...>
Subject: [n2adr-sdr] 128.88MHz Oscillator
To: "N2ADR SDR Group" <n2adr-sdr@yahoogroups.com>
Date: Saturday, June 11, 2011, 3:17 PM

Hello everyone!

It strikes me that the performance of the transceiver is such that it would be

worth anybody designing a new board adding provision for an external 128.88MHz

input. That way it would be easy to use a very low noise discrete component

oscillator - packaged oscillators tend to have relatively poor close-in

spectrum - locked to to an external frequency standard.

I'm looking at doing that on the board I eventually hope to make for myself,

and I've been waiting for Rob to produce his Kicad version of the PCB so that

I can modify it!

I know something about the design of low-noise oscillators, and I've been

thinking about ways of locking a 128.88MHz oscillator to 10MHz adequately

cleanly. The problem is a little more subtle than using a low-cost synthesiser

chip ...

Vy 73

Chris

GW4DGU

140. Re: 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-11 18:13:34 UTC
From: wb4jfi
Topic: 138 Message: 140

I have used them on the Charleston Receiver, to replace the preprogrammed can oscillator, and noticed a significant reduction in phase noise. I'm using one in my future designs as well. The ability to fine-tune the master oscillator to correct for frequency errors comes in handy (no need to tweak software/FPGA oscillators).

I also note that Phil Covington used them in the Quicksilver receiver, after having phase noise issues with other devices. He was specifically looking at phase noise as one of his important parameters when selecting that device. His design used a 125MHz version, and therefore he provides a D/A for audio out, to get around the 48kHz exact sample rate problem, if I remember correctly.

It would be nice to have them checked out thoroughly, but I think they might be OK for the master oscillator.
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, dan edwards <w5xz@...> wrote:
>
> stupid question, i know...but
>
> is there a consensus the Si 570 is not 'clean enough' ?
>
> 73, w5xz, dan
>
> --- On Sat, 6/11/11, Christopher Bartram <cbartram@...> wrote:
>
> From: Christopher Bartram <cbartram@...>
> Subject: [n2adr-sdr] 128.88MHz Oscillator
> To: "N2ADR SDR Group" <n2adr-sdr@yahoogroups.com>
> Date: Saturday, June 11, 2011, 3:17 PM
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> I'm looking at doing that on the board I eventually hope to make for myself,
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> and I've been waiting for Rob to produce his Kicad version of the PCB so that
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> I can modify it!
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>
> chip ...
>
>
>
> Vy 73
>
>
>
> Chris
>
> GW4DGU

>

141. Re: [n2adr-sdr] Re: Valpey Fisher 125 MHz ---- unusable here....

Yahoo group: n2adr-sdr
Date: 2011-06-12 04:47:51 UTC
From: Rob Frohne
Topic: 136 Message: 141
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Helmut,

I realize that the present software won't suffice; I was thinking of
using a call to libsamplerate <http://www.mega-nerd.com/SRC/index.html>
or one of his siblings. The CVHD-950 aren't available as samples and
they are around $50 here, so the price of the Valpey is 10 db less. The
phase noise isn't quite as good, but it was good enough for the SDR-1000
and the N2PK VNA. It is a bit difficult to compare the two oscillators
as well; one gives max one sigma and the other gives typical jitter.
The pin outs of the oscillators are the same, so if my ideas don't pan
out, all I need to do is swap them out. :-)

73,

Rob
KL7NA

On 06/11/2011 02:09 AM, Helmut Goebkes wrote:
>
> Hi Rob,
>
> the oscillator you suggest is unusable in this application.
> First, the frequency must be 122.88MHz, not 125MHz, because 122,88MHz
> is even devidable into 48KHz. The Software is not able to handle
> non-integer dividable main osc frequencies.
> Second, the "low phase noise" claimed is not really good,
> the sugessted osc has 1pS compared to 0.13pS of the Crystec CVHD-950
>
> 73
> Helmut, DB1CC
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Rob Frohne <rob.frohne@...> wrote:
> >
> > Hi All,
> >
> > These oscillators used to be about $100 each if my memory serves right.
> >
> > http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=160596753547
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=160596753547>
> >
> > This seller only wants $5.50 shipped.
> >
> > 73,
> >

> > Rob
> >
> > --
> > Rob Frohne, Ph.D., P.E.
> > E.F. Cross School of Engineering
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> > (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
> <http://people.wallawalla.edu/%7Erob.frohne>
> >
>
>

--
Rob Frohne, Ph.D., P.E.
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142. Re: [n2adr-sdr] 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-12 04:52:24 UTC
From: Rob Frohne
Topic: 138 Message: 142
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Chris,

I guess I better get busy. :-) Graduation is tomorrow, so things ought
to slow down soon. I am planning on having provisions for an external
oscillator.

73,

Rob
KL7NA

On 06/11/2011 08:17 AM, Christopher Bartram wrote:
>
> Hello everyone!
>
> It strikes me that the performance of the transceiver is such that it
> would be
> worth anybody designing a new board adding provision for an external
> 128.88MHz
> input. That way it would be easy to use a very low noise discrete
> component
> oscillator - packaged oscillators tend to have relatively poor close-in
> spectrum - locked to to an external frequency standard.
>
> I'm looking at doing that on the board I eventually hope to make for
> myself,
> and I've been waiting for Rob to produce his Kicad version of the PCB
> so that
> I can modify it!
>
> I know something about the design of low-noise oscillators, and I've been
> thinking about ways of locking a 128.88MHz oscillator to 10MHz adequately
> cleanly. The problem is a little more subtle than using a low-cost
> synthesiser
> chip ...
>
> Vy 73
>
> Chris
> GW4DGU
>
>

--
Rob Frohne, Ph.D., P.E.

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Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

143. Re: 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-12 13:55:14 UTC
From: dan
Topic: 138 Message: 143

thanks Terry. I thought i saw that on the AMRAD site..

I still marvel at the Si 570...truly remarkable spec of a chip !
for this, we don't even need the 'hi end' device, right?

and the guys down in Austin are building an even better controller
for it now (AQRP yahoo group)...but it guess it doesnt matter,
once you set the freq, it 'remembers' ??

good luck with the 'charleston transceiver'...when it comes to
fruition...

73, w5xz, dan

144. Re: 128.88MHz Oscillator

Yahoo group: n2adr-sdr
Date: 2011-06-12 15:11:22 UTC
From: Mario
Topic: 138 Message: 144

Hi all,

i guess trying with other oscillators than the one from Crystek is good. Just keep in mind that you really have to look to the results rather carefully. The results with the Crystek oscillator are already really good. With an external oscillator it might be even better.
I thought about using an G8ACE OCXO as clock source. This one can be locked to a external reference as well. I already have two for microwave applications and they are really good.
Regarding the SI-570 i strongly recommend to be a bit carefull. The noise figure close to the carrier is really good but there are some significant integer spurs far from the carrier frequency. This makes it unusable fr microwave applications. For the most shortwave SDR they are probably good enougth and much better than the cheap DDS solutions.
Regarding integrating the audio output (and the input as well) i am not a big fan of this solution since you create more latency and more traffic on the ethernet interface. But probably it is still worth thinking about that.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "dan" <w5xz@...> wrote:
>
> thanks Terry. I thought i saw that on the AMRAD site..
>
>
> I still marvel at the Si 570...truly remarkable spec of a chip !
> for this, we don't even need the 'hi end' device, right?
>
>
> and the guys down in Austin are building an even better controller
> for it now (AQRP yahoo group)...but it guess it doesnt matter,
> once you set the freq, it 'remembers' ??
>
>
> good luck with the 'charleston transceiver'...when it comes to
> fruition...
>
>
> 73, w5xz, dan
>

145. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-06-12 20:57:05 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 145

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /OH6EH/Transceiver-v0.2.pro
Uploaded by : oh6eh <kaj.wiik@...>
Description : N2ADR transceiver in kicad format

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/OH6EH/Transceiver-v0.2.pro

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

oh6eh <kaj.wiik@...>

146. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-12 21:08:53 UTC
From: Kaj Wiik
Topic: 129 Message: 146

Hi all,

Again I underestimated the work involved and overestimated the available time.

But today I finally uploaded the converted Kicad schematic and library
to the files area. There are some warnings due to connections from
power out to bidirectional pins, kicad experts surely can sort them
out...

Cheers,
Kaj OH6EH

147. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-12 22:04:04 UTC
From: dave
Topic: 129 Message: 147

Kaj:
One additional thing that should be done. On each of the parts, uncheck the
"Show" box for the footprints. That will clean up the schematic a lot.

Dave - WB6DHW
<http://wb6dhw.com>

On 6/12/2011 2:08 PM, Kaj Wiik wrote:
>
> Hi all,
>
> Again I underestimated the work involved and overestimated the available time.
>
> But today I finally uploaded the converted Kicad schematic and library
> to the files area. There are some warnings due to connections from
> power out to bidirectional pins, kicad experts surely can sort them
> out...
>
> Cheers,
> Kaj OH6EH
>
>
>

148. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-12 22:44:28 UTC
From: Rob Frohne
Topic: 129 Message: 148
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Kaj!

73,

Rob

On 06/12/2011 02:08 PM, Kaj Wiik wrote:
>
> Hi all,
>
> Again I underestimated the work involved and overestimated the
> available time.
>
> But today I finally uploaded the converted Kicad schematic and library
> to the files area. There are some warnings due to connections from
> power out to bidirectional pins, kicad experts surely can sort them
> out...
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> Cheers,
> Kaj OH6EH
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>

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

149. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-13 18:05:19 UTC
From: Kaj Wiik
Topic: 129 Message: 149

2011/6/13 dave <dave@...>:
> Kaj:
> One additional thing that should be done. On each of the parts, uncheck
> the "Show" box for the footprints. That will clean up the schematic a lot.

Yes, that's a good idea. Well, I did it using emacs text editor, a bit
faster than with the GUI :-).
See the files area v0.3.

Cheers,
Kaj OH6EH

150. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-14 04:01:01 UTC
From: Rob Frohne
Topic: 129 Message: 150
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Kaj,

What kind of errors are more likely to be in your converted files? (It would help me to know how you did them, so I know what to concentrate on when checking them over. Did you do anything by hand, etc.?)

Thanks,

Rob

On 06/13/2011 11:05 AM, Kaj Wiik wrote:
>
> 2011/6/13 dave <dave@... <mailto:dave%40wb6dhw.com>>:
> > Kaj:
> > One additional thing that should be done. On each of the parts,
> uncheck
> > the "Show" box for the footprints. That will clean up the schematic
> a lot.
>
> Yes, that's a good idea. Well, I did it using emacs text editor, a bit
> faster than with the GUI :-).
> See the files area v0.3.
>
> Cheers,
> Kaj OH6EH
>
>

--
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151. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-15 07:36:09 UTC
From: Kaj Wiik
Topic: 129 Message: 151

2011/6/14 Rob Frohne <rob.frohne@...>
> Hi Kaj,
>
> What kind of errors are more likely to be in your converted files? (It would help me to know how you did them, so I know what to concentrate on when checking them over. Did you do anything by hand, etc.?)

That's a good point!

I had to rotate all active components (including the FPGA!) and many of the passives, I made aliases for capacitors and resistors, resized the sheet, changed the ground pin definitions for many actives (bidi -> power input or output for the regulator). The last one should be improved but I don't know how to deal with I/O pins (that really are bidi) that are connected directly to VCC or GND (perhaps pullup or -down resistor should be used in the design to humor the erc). For v0.3 I edited the sch so that the footprint designators are invisible.

Cheers,
Kaj OH6EH

>
> Thanks,
>
> Rob
>
> On 06/13/2011 11:05 AM, Kaj Wiik wrote:
>
>
>
> 2011/6/13 dave <dave@...>:
> > Kaj:
> >   One additional thing that should be done. On each of the parts, uncheck
> > the "Show" box for the footprints. That will clean up the schematic a lot.
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> Yes, that's a good idea. Well, I did it using emacs text editor, a bit
> faster than with the GUI :-).
> See the files area v0.3.
>
> Cheers,
> Kaj OH6EH
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> --
> Rob Frohne, Ph.D., P.E.
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> Walla Walla University

> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
>
>

152. Re: [n2adr-sdr] Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-15 12:42:44 UTC
From: Rob Frohne
Topic: 129 Message: 152
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Kaj,

It sounds like the netlist is likely to be correct. That should save me
some tedious painstaking work I was considering.

Again, thanks!

Rob

On 06/15/2011 12:36 AM, Kaj Wiik wrote:
> 2011/6/14 Rob Frohne<rob.frohne@...>
>> Hi Kaj,
>>
>> What kind of errors are more likely to be in your converted files? (It would help me to know how you did them, so I know what to concentrate on when checking them over. Did you do anything by hand, etc.?)
> That's a good point!
>
> I had to rotate all active components (including the FPGA!) and many
> of the passives, I made aliases for capacitors and resistors, resized
> the sheet, changed the ground pin definitions for many actives (bidi
> -> power input or output for the regulator). The last one should be
> improved but I don't know how to deal with I/O pins (that really are
> bidi) that are connected directly to VCC or GND (perhaps pullup or
> -down resistor should be used in the design to humor the erc). For
> v0.3 I edited the sch so that the footprint designators are invisible.
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> Cheers,
> Kaj OH6EH
>
>
>
>> Thanks,
>>
>> Rob
>>
>> On 06/13/2011 11:05 AM, Kaj Wiik wrote:
>>
>>
>>
>> 2011/6/13 dave<dave@...>:
>>> Kaj:
>>> One additional thing that should be done. On each of the parts, uncheck
>>> the "Show" box for the footprints. That will clean up the schematic a lot.
>> Yes, that's a good idea. Well, I did it using emacs text editor, a bit

>> faster than with the GUI :-).
>> See the files area v0.3.
>>
>> Cheers,
>> Kaj OH6EH
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>> --
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153. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-22 13:33:36 UTC
From: burrellshane@rocketmail.com
Topic: 129 Message: 153

Is someone activity working on a KICAD design or is this project still using EAGLE?

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
>
> Thanks Kaj,
>
> It sounds like the netlist is likely to be correct. That should save me
> some tedious painstaking work I was considering.
>
> Again, thanks!
>
> Rob
>
> On 06/15/2011 12:36 AM, Kaj Wiik wrote:
> > 2011/6/14 Rob Frohne<rob.frohne@...>
> >> Hi Kaj,
> >>
> >> What kind of errors are more likely to be in your converted files? (It would help me to know how you did them, so I know what to concentrate on when checking them over. Did you do anything by hand, etc.?)
> > That's a good point!
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> > I had to rotate all active components (including the FPGA!) and many
> > of the passives, I made aliases for capacitors and resistors, resized
> > the sheet, changed the ground pin definitions for many actives (bidi
> > -> power input or output for the regulator). The last one should be
> > improved but I don't know how to deal with I/O pins (that really are
> > bidi) that are connected directly to VCC or GND (perhaps pullup or
> > -down resistor should be used in the design to humor the erc). For
> > v0.3 I edited the sch so that the footprint designators are invisible.
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> > Cheers,
> > Kaj OH6EH
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> >
> >
> >> Thanks,
> >>
> >> Rob
> >>
> >> On 06/13/2011 11:05 AM, Kaj Wiik wrote:
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> >>
> >>
> >> 2011/6/13 dave<dave@...>:

> >>> Kaj:
> >>> One additional thing that should be done. On each of the parts, uncheck
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> >> faster than with the GUI :-).
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> >> Cheers,
> >> Kaj OH6EH
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>

154. Re: [n2adr-sdr] Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-22 14:09:02 UTC
From: Kaj Wiik
Topic: 129 Message: 154

Hi!

2011/6/22 burrellshane@... <burrellshane@...>

> Is someone activity working on a KICAD design or is this project still using EAGLE?

Well, I think both are used now. The forks that have produced hardware
are using Eagle to my knowledge (although I haven't seen the sources
which is a bit worrying). I converted the schematic to KICAD and at
least Rob and myself are continuing from there.

I have a number of versions in mind... First, to get used to Verilog
and quirks of high density, high speed PCB design I am 'porting' the
ethernet interface to connect to a cheap EP2C8 devboard (eBay). Might
even be useful for simple projects.

Cheers,
Kaj OH6EH

155. Re: [n2adr-sdr] Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-22 14:23:16 UTC
From: Rob Frohne
Topic: 129 Message: 155
Attachments: 1 described; binary payloads are missing from this source WARC

Hi,

I'm playing with the Kicad project. My objective is to build one, and
at least make my Kicad files available. I'm trying to minimize my cost
and make it work as a vector network analyzer. With samples, the cost
is about $100 at this point. The junk box should help further.
Hopefully I can use this to learn some Verilog as well. If you have
suggestions for revisions, I'm soliciting them still.

Thanks & 73,

Rob
KL7NA

On 06/22/2011 06:33 AM, burrellshane@... wrote:
>
> Is someone activity working on a KICAD design or is this project still
> using EAGLE?
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Rob Frohne <rob.frohne@...> wrote:
> >
> > Thanks Kaj,
> >
> > It sounds like the netlist is likely to be correct. That should save me
> > some tedious painstaking work I was considering.
> >
> > Again, thanks!
> >
> > Rob
> >
> > On 06/15/2011 12:36 AM, Kaj Wiik wrote:
> > > 2011/6/14 Rob Frohne<rob.frohne@...>
> > >> Hi Kaj,
> > >>
> > >> What kind of errors are more likely to be in your converted
> files? (It would help me to know how you did them, so I know what to
> concentrate on when checking them over. Did you do anything by hand,
> etc.?)
> > > That's a good point!
> > >
> > > I had to rotate all active components (including the FPGA!) and many
> > > of the passives, I made aliases for capacitors and resistors, resized
> > > the sheet, changed the ground pin definitions for many actives (bidi
> > > -> power input or output for the regulator). The last one should be

> > > improved but I don't know how to deal with I/O pins (that really are
> > > bidi) that are connected directly to VCC or GND (perhaps pullup or
> > > -down resistor should be used in the design to humor the erc). For
> > > v0.3 I edited the sch so that the footprint designators are invisible.
> > >
> > > Cheers,
> > > Kaj OH6EH
> > >
> > >
> > >
> > >> Thanks,
> > >>
> > >> Rob
> > >>
> > >> On 06/13/2011 11:05 AM, Kaj Wiik wrote:
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> > >>
> > >>
> > >> 2011/6/13 dave<dave@...>:
> > >>> Kaj:
> > >>> One additional thing that should be done. On each of the parts,
> uncheck
> > >>> the "Show" box for the footprints. That will clean up the
> schematic a lot.
> > >> Yes, that's a good idea. Well, I did it using emacs text editor,
> a bit
> > >> faster than with the GUI :-).
> > >> See the files area v0.3.
> > >>
> > >> Cheers,
> > >> Kaj OH6EH
> > >>
> > >> --
> > >> Rob Frohne, Ph.D., P.E.
> > >> E.F. Cross School of Engineering
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> <http://people.wallawalla.edu/%7Erob.frohne>
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Rob Frohne, Ph.D., P.E.
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College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

156. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-22 16:30:28 UTC
From: burrellshane@rocketmail.com
Topic: 129 Message: 156

Is there a repo or something setup to get the files. I'd really like to work on the project with others rather than a solo project. Something similar to micropendous seems to work well for group development of boards.

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
>
> Hi,
>
> I'm playing with the Kicad project. My objective is to build one, and
> at least make my Kicad files available. I'm trying to minimize my cost
> and make it work as a vector network analyzer. With samples, the cost
> is about $100 at this point. The junk box should help further.
> Hopefully I can use this to learn some Verilog as well. If you have
> suggestions for revisions, I'm soliciting them still.
>
> Thanks & 73,
>
> Rob
> KL7NA
>
> On 06/22/2011 06:33 AM, burrellshane@... wrote:
> >
> > Is someone activity working on a KICAD design or is this project still
> > using EAGLE?
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Rob Frohne <rob.frohne@> wrote:
> > >
> > > Thanks Kaj,
> > >
> > > It sounds like the netlist is likely to be correct. That should save me
> > > some tedious painstaking work I was considering.
> > >
> > > Again, thanks!
> > >
> > > Rob
> > >
> > > On 06/15/2011 12:36 AM, Kaj Wiik wrote:
> > > > 2011/6/14 Rob Frohne<rob.frohne@>
> > > >> Hi Kaj,
> > > >>
> > > >> What kind of errors are more likely to be in your converted
> > > files? (It would help me to know how you did them, so I know what to
> > > concentrate on when checking them over. Did you do anything by hand,
> > > etc.?)

> > > > That's a good point!
> > > >
> > > > I had to rotate all active components (including the FPGA!) and many
> > > > of the passives, I made aliases for capacitors and resistors, resized
> > > > the sheet, changed the ground pin definitions for many actives (bidi
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> > > > improved but I don't know how to deal with I/O pins (that really are
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> > > >
> > > >> Thanks,
> > > >>
> > > >> Rob
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> > > >> On 06/13/2011 11:05 AM, Kaj Wiik wrote:
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> > > >> 2011/6/13 dave<dave@>:
> > > >>> Kaj:
> > > >>> One additional thing that should be done. On each of the parts,
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> > > >>> the "Show" box for the footprints. That will clean up the
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> > > >> Yes, that's a good idea. Well, I did it using emacs text editor,
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> > > >> See the files area v0.3.
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> > > >> Cheers,
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> > > >> Rob Frohne, Ph.D., P.E.
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>

157. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-22 19:49:52 UTC
From: Mario
Topic: 129 Message: 157

Hi,

currently there is no repository for layout or sourcecode files.
I could imagine that we create an open repo at github and the kicad stuff is stored there.
If N2ADR agrees also versions of the FPGA design.
Regarding the sourcefiles:
You can download the original Eagle layout at Jims page.
Kaj uploaded his converted Kicad schematic to the files section here.
Helmuts Target based layout data is not available on an open basis because it was made with an professional version and it cannot be edited by others. He told that he can provide the Gerber data on request. Thats probably not what you need for editing on your own.
Probably github is a nice tool to host some information about the various versions as well.
Who wants to create a repo ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "burrellshane@..." <burrellshane@...> wrote:
>
> Is there a repo or something setup to get the files. I'd really like to work on the project with others rather than a solo project. Something similar to micropendous seems to work well for group development of boards.
>
> --- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@> wrote:
> >
> > Hi,
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> > I'm playing with the Kicad project. My objective is to build one, and
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> > suggestions for revisions, I'm soliciting them still.
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> > Thanks & 73,
> >
> > Rob
> > KL7NA
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> > On 06/22/2011 06:33 AM, burrellshane@ wrote:
> > >
> > > Is someone activity working on a KICAD design or is this project still
> > > using EAGLE?
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> > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
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> > > > Thanks Kaj,
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> > > > It sounds like the netlist is likely to be correct. That should save me
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> > > > > That's a good point!
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> > > >> 2011/6/13 dave<dave@>:
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> > (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
> >
>

158. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-23 00:41:50 UTC
From: burrellshane@rocketmail.com
Topic: 129 Message: 158

That would work really well if everyone that has contributed is in agreement and can post there work into the repo.

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> currently there is no repository for layout or sourcecode files.
> I could imagine that we create an open repo at github and the kicad stuff is stored there. If N2ADR agrees also versions of the FPGA design.
> Regarding the sourcefiles:
> You can download the original Eagle layout at Jims page.
> Kaj uploaded his converted Kicad schematic to the files section here.
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> Probably github is a nice tool to host some information about the various versions as well.
> Who wants to create a repo ?
>
> regards
> Mario
>
>
> --- In n2adr-sdr@yahoogroups.com, "burrellshane@" <burrellshane@> wrote:
> >
> > Is there a repo or something setup to get the files. I'd really like to work on the project with others rather than a solo project. Something similar to micropendous seems to work well for group development of boards.
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> > --- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@> wrote:
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> > > Hi,
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> > > I'm playing with the Kicad project. My objective is to build one, and
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> > > is about $100 at this point. The junk box should help further.
> > > Hopefully I can use this to learn some Verilog as well. If you have
> > > suggestions for revisions, I'm soliciting them still.
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> > > Thanks & 73,
> > >
> > > Rob
> > > KL7NA

> > >
> > > On 06/22/2011 06:33 AM, burrellshane@ wrote:
> > > >
> > > > Is someone activity working on a KICAD design or is this project still
> > > > using EAGLE?
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> > > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > > Rob Frohne <rob.frohne@> wrote:
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> > > > > Again, thanks!
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> > > > > Rob
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> > > > > On 06/15/2011 12:36 AM, Kaj Wiik wrote:
> > > > > > 2011/6/14 Rob Frohne<rob.frohne@>
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>

159. Re: [n2adr-sdr] Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-23 04:26:46 UTC
From: Rob Frohne
Topic: 129 Message: 159
Attachments: 1 described; binary payloads are missing from this source WARC

I'm fine with any contributions I make. I'm in the middle of things at
the moment.

73,

Rob

On 06/22/2011 05:41 PM, burrellshane@... wrote:
>
> That would work really well if everyone that has contributed is in
> agreement and can post there work into the repo.
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> > regards
> > Mario
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> > >
> > > Is there a repo or something setup to get the files. I'd really
> like to work on the project with others rather than a solo project.
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160. Re: Next Generation?

Yahoo group: n2adr-sdr
Date: 2011-06-23 13:57:24 UTC
From: burrellshane@rocketmail.com
Topic: 129 Message: 160

Launchpad would most likely be the best bet. KIcad has moved there. If we can get a small group together and get permission from authors of any source used I'd be happy to get the project going.

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
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161. ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-24 13:08:47 UTC
From: Helmut Goebkes
Topic: 161 Message: 161

Hi Group, N2ADR-SDR / HiQSDR builders!

Digikey delivered wrong parts instead of ordered LTC6405IMS8E#PBF

The worng delivered Part is LT3080 with the same case (MSPO8).
a wrong LT3080. You can only differentiate it by the code
marked on top of the MSOP8-Part it must be marked "LTDKN"
nothing else!

The wrong Part is marked "LTCBM" and is a LT3080 Voltage regulator!

If you power the HiQSDR or N2ADR-SDR with the wrong delivered part,
the circuit draws several Amps from the 5 Volt source and the
following ADC ADS55005 (Expensive!) dies in seconds!

If you ordered LTC6405 from Digikey, please check the correct marking
and contact Digikey.
We got two times the wrong parts, even we complaint the parts...

We check all deliveries, so HiQSDR-Kits contains only correct Parts!

73!
Helmut, DB1CC

162. Re: HiQSDR V2.4 Boards / Kits

Yahoo group: n2adr-sdr
Date: 2011-06-24 23:09:23 UTC
From: Tim W4YN
Topic: 112 Message: 162

Helmut
Is it still possible to order a kit?
Tim

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group members,
>
> The new Version 2.4t Boards arrived on Friday.
> All bord orders are deliveres next two days.
> All parts for the complete modules are sent to the factory
> but the CVHD-950 122.88 MHz oscillatore is not available
> before June 15. I spent nearly one day phone around the world to
> get them faster but i had no luck to get them before 15th June.
> Now we complete the boards without the oscillator as first.
> I add the oscillator by hand if they arrived to hold the delivery
> time for complete boards as short as possible, but the delivery
> will be delayed approx. 2 weeks.
> The reason for the delivery delay of the 122.88 MHz osc is the
> Japanese catastrophes, the distruibtors told me.
> I do not know if this is the truth, but we have to deal with it...
>
> On the Weekend i made a sample assembly of the new board by hand
> to check for any problems. After assembling, soldering (Reflow) and
> cleaning the board, programming the FPGA and setup was done just
> in a few minutes. All works from the first moment on as expected and the measurement
results are equal to the one made at the prototype, so noone should have any problems with
it.
>
> Shure, if yo have questions or problems, you can contact me
> (best via email)
>
> I corrected the partslist for two minor changes
> (RN1,R39=1K instead of 10K).
> A friend of mine (DG7MGY) helped me to bring the complete files
> and assembly instructions to a CD, usable with any Browser.
> Also we added all relevant data sheets as well as assembnly
> pictures and partslist as PDF and/or Excel files.
> In the files area, you will find actual pictures from the
> sample assembly and the board.
>
> 73 de Helmut, DB1CC
>

163. Re: ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-25 04:58:46 UTC
From: Mario
Topic: 161 Message: 163

Hi Helmut,

thanks for the hint. I checked and also got the wrong part.
Did you get replacements from Digikey after complaint ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group, N2ADR-SDR / HiQSDR builders!
>
> Digikey delivered wrong parts instead of ordered LTC6405IMS8E#PBF
>
> The worng delivered Part is LT3080 with the same case (MSPO8).
> a wrong LT3080. You can only differentiate it by the code
> marked on top of the MSOP8-Part it must be marked "LTDKN"
> nothing else!
>
> The wrong Part is marked "LTCBM" and is a LT3080 Voltage regulator!
>
> If you power the HiQSDR or N2ADR-SDR with the wrong delivered part,
> the circuit draws several Amps from the 5 Volt source and the
> following ADC ADS55005 (Expensive!) dies in seconds!
>
> If you ordered LTC6405 from Digikey, please check the correct marking
> and contact Digikey.
> We got two times the wrong parts, even we complaint the parts...
>
> We check all deliveries, so HiQSDR-Kits contains only correct Parts!
>
> 73!
> Helmut, DB1CC
>

164. Re: ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-27 09:00:47 UTC
From: Helmut Goebkes
Topic: 161 Message: 164

Hi Mario,

yes, DIGIKEY replaced the parts without any comment,
currently they are in cologne at customs,
i hope now they are correct ;-(
But nothing about my complaint of the defective ADS5500
- so i have to discuss with digikey a little bit harder...

ps: I also have to pay again the german import tax
("Einfuhrumsatzsteuer") wich is not correct
because thats digikey's game for these replacement parts...

pay attention to this!

73!
Helmut, DB1CC

165. Re: [n2adr-sdr] Re: ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-27 13:06:08 UTC
From: Sid Boyce
Topic: 161 Message: 165

On 27/06/11 10:00, Helmut Goebkes wrote:
>
>
> Hi Mario,
>
> yes, DIGIKEY replaced the parts without any comment,
> currently they are in cologne at customs,
> i hope now they are correct ;-(
> But nothing about my complaint of the defective ADS5500
> - so i have to discuss with digikey a little bit harder...
>
> ps: I also have to pay again the german import tax
> ("Einfuhrumsatzsteuer") wich is not correct
> because thats digikey's game for these replacement parts...
>
> pay attention to this!
>
> 73!
> Helmut, DB1CC
>
Some companies seem to discard customer relations or they can't use email.

I checked Farnell UK and they have 32 in stock, may be dealing with another Farnell company in Europe would yield better results, avoiding customs and VAT mishaps..

I once dealt with such a UK company that once never told me that the returned motherboard was no longer available and when I eventually got a response the email just said they had issued a refund. I shall never put business their way again.

>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

166. Re: [n2adr-sdr] Re: ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-27 13:12:34 UTC
From: Sid Boyce
Topic: 161 Message: 166

Second attempt, my reply text disappeared.
73 ... Sid.

On 27/06/11 10:00, Helmut Goebkes wrote:
>
>
> Hi Mario,
>
> yes, DIGIKEY replaced the parts without any comment,
> currently they are in cologne at customs,
> i hope now they are correct ;-(
> But nothing about my complaint of the defective ADS5500
> - so i have to discuss with digikey a little bit harder...
>
> ps: I also have to pay again the german import tax
> ("Einfuhrumsatzsteuer") wich is not correct
> because thats digikey's game for these replacement parts...
>
> pay attention to this!
>
> 73!
> Helmut, DB1CC
>
Some companies seem to discard customer relations or they can't use email.

I checked Farnell UK and they have 32 in stock, may be dealing with
another Farnell company in Europe would yield better results, avoiding
customs and VAT mishaps..

I once dealt with such a UK company that once never told me that the
returned motherboard was no longer available and when I eventually got a
response the email just said they had issued a refund. I shall never put
business their way again.

>

--
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167. Re: [n2adr-sdr] Re: ATTENTION! Wrong Parts deliverd by Digikey!

Yahoo group: n2adr-sdr
Date: 2011-06-27 13:33:46 UTC
From: Sid Boyce
Topic: 161 Message: 167

Some companies seem to discard customer relations or they can't use email.

I checked Farnell UK and they have 32 in stock, may be dealing with another Farnell company in Europe would yield better results, avoiding customs and VAT mishaps..

I once dealt with such a UK company that once never told me that the returned motherboard was no longer available and when I eventually got a response the email just said they had issued a refund. I shall never put business their way again. 73 ... Sid. On 27/06/11 10:00, Helmut Goebkes wrote: > > > Hi Mario, > > yes, DIGIKEY replaced the parts without any comment, > currently they are in cologne at customs, > i hope now they are correct ;-(> But nothing about my complaint of the defective ADS5500 > - so i have to discuss with digikey a little bit harder... > > ps: I also have to pay again the german import tax > ("Einfuhrumsatzsteuer") wich is not correct > because thats digikey's game for these replacement parts... > > pay attention to this! > > 73! > Helmut, DB1CC > -- Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support Senior Staff Specialist, Cricket Coach Microsoft Windows Free Zone - Linux used for all Computing Tasks

168. Quisk 3.5.4 (spectrum zoom implemented)

Yahoo group: n2adr-sdr
Date: 2011-06-28 05:57:54 UTC
From: Mario
Topic: 168 Message: 168

from N2ADRs webpage:

Quisk Version 3.5.4 June 2011
==========
I added another slider labeled "Zo" to zoom (expand) the graph screen scale
so that narrow signals can be examined. The center of the graph is changed
to the tuning frequency when zoom is turned on. To cancel zoom, move the
slider back to the bottom position. You can tune as usual even if zoom is on.

I put the band buttons on one line so I could add more control buttons.

169. Re: [n2adr-sdr] Quisk 3.5.4 (spectrum zoom implemented)

Yahoo group: n2adr-sdr
Date: 2011-06-28 14:41:11 UTC
From: Ken N9VV
Topic: 168 Message: 169

Well done Mario! great programming ideas and methods.
Thank you very much for sharing your software Engineering
skills with us all.

cheers,
73 de Ken N9VV

On 6/28/2011 12:57 AM, Mario wrote:
> from N2ADRs webpage:
>
> Quisk Version 3.5.4 June 2011
> ============================
> I added another slider labeled "Zo" to zoom (expand) the graph screen scale
> so that narrow signals can be examined. The center of the graph is changed
> to the tuning frequency when zoom is turned on. To cancel zoom, move the
> slider back to the bottom position. You can tune as usual even if zoom is on.
>
> I put the band buttons on one line so I could add more control buttons.
---

170. Re: Quisk 3.5.4 (spectrum zoom implemented)

Yahoo group: n2adr-sdr
Date: 2011-06-28 15:44:54 UTC
From: Mario
Topic: 168 Message: 170

Hi Ken,

just notice that this software does not come from me. It is from Jim, N2ADR. I am just the messenger here ;)
All compliments to jahlstr@gmail.com

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Well done Mario! great programming ideas and methods.
> Thank you very much for sharing your software Engineering
> skills with us all.
>
> cheers,
> 73 de Ken N9VV
>
> On 6/28/2011 12:57 AM, Mario wrote:
> > from N2ADRs webpage:
> >
> > Quisk Version 3.5.4 June 2011
> > ============================
> > I added another slider labeled "Zo" to zoom (expand) the graph screen scale
> > so that narrow signals can be examined. The center of the graph is changed
> > to the tuning frequency when zoom is turned on. To cancel zoom, move the
> > slider back to the bottom position. You can tune as usual even if zoom is on.
> >
> > I put the band buttons on one line so I could add more control buttons.
> --
>

171. newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-06-30 22:22:13 UTC
From: dan
Topic: 171 Message: 171

ok, i installed ubuntu linux 11.04 on my laptop.

fairly easy, smooth. now have a machine that will boot either
to Linux, or Win7....the ubuntu install cd made a new partition
and everything seems to work...

I can not, however, figure out how to "re-compile QUISK"...

73, w5xz, dan

172. Re: [n2adr-sdr] newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-06-30 22:54:20 UTC
From: Sid Boyce
Topic: 171 Message: 172

http://mobokits.stormwarning.org/content/mobo-43-files/InstallingLinuxSDRs-006.odt
All details there. The latest is quisk-3.5.4.
73 ... Sid.

On 30/06/11 23:22, dan wrote:
>
> ok, i installed ubuntu linux 11.04 on my laptop.
>
> fairly easy, smooth. now have a machine that will boot either
> to Linux, or Win7....the ubuntu install cd made a new partition
> and everything seems to work...
>
> I can not, however, figure out how to "re-compile QUISK"...
>
> 73, w5xz, dan
>
>

--
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173. Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-01 05:48:20 UTC
From: Mario
Topic: 171 Message: 173

Hi Sid,

link was broken. Do you mean this one ?:
http://mobokits.stormwarning.org/filebrowser/download/913

Dan: Do you have a 64bit Linux ? For 32bit you do not have to recompile. On 64bit just type "make" in the Quisk directory.
There are some packages that need to be installed. For example GCC.

From N2ADRs documentation on Quisk:

Quisk needs a few additional packages to run. All should be available as packages or RPM's so you don't have to compile the source. Generally you would get the most recent versions rather than the versions I show below. Needed packages are:

* python2.6, the Python programming language. See http://www.python.org. This almost certainly is already installed on your Linux. Use the version you have, or get the most recent version.

* python-wxgtk2.8, the wxPython package used for the GUI. Get the most recent version available for your Python version.

* fftw3, the Fastest Fourier Transform in the West. See fftw.org. This is a great FFT package and is also used by GNU radio.

* python2.6-dev, fftw3-dev, libasound2-dev, portaudio19-dev These are development packages that you need so you can change and recompile the Quisk C-language files. Get the version that corresponds to the software you have. If you get compiler errors, check for missing "-dev" packages.

The last point is important for recompiling.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> http://mobokits.stormwarning.org/content/mobo-43-files/InstallingLinuxSDRs-006.odt
> All details there. The latest is quisk-3.5.4.
> 73 ... Sid.
>
> On 30/06/11 23:22, dan wrote:
> >
> > ok, i installed ubuntu linux 11.04 on my laptop.
> >
> > fairly easy, smooth. now have a machine that will boot either
> > to Linux, or Win7....the ubuntu install cd made a new partition

> > and everything seems to work...
> >
> > I can not, however, figure out how to "re-compile QUISK"...
> >
> > 73, w5xz, dan
> >
> >
>
>
> --
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>

174. Re: [n2adr-sdr] Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-01 10:29:19 UTC
From: Sid Boyce
Topic: 171 Message: 174

That link also works as does
http://mobokits.stormwarning.org/content/mobo-43-files/
<http://mobokits.stormwarning.org/content/mobo-43-files/InstallingLinuxSDRs-006.odt>
where the file will also be found. I now see that even using wget it
doesn't like the addition of the filename.

OFF TOPIC

Jim, there is still the softrock permissions error I reported quite a
while back using openSUSE or Ubunt 11.04 while VK6JBL's files still work
with 3.5.4.
73 ... Sid.

On 01/07/11 06:48, Mario wrote:
>
> Hi Sid,
>
> link was broken. Do you mean this one ?:
> http://mobokits.stormwarning.org/filebrowser/download/913
>
> Dan: Do you have a 64bit Linux ? For 32bit you do not have to
> recompile. On 64bit just type "make" in the Quisk directory.
> There are some packages that need to be installed. For example GCC.
>
> >From N2ADRs documentation on Quisk:
> ---
> Quisk needs a few additional packages to run. All should be available
> as packages or RPM's so you don't have to compile the source.
> Generally you would get the most recent versions rather than the
> versions I show below. Needed packages are:
>
> * python2.6, the Python programming language. See
> http://www.python.org. This almost certainly is already installed on
> your Linux. Use the version you have, or get the most recent version.
>
> * python-wxgtk2.8, the wxPython package used for the GUI. Get the most
> recent version available for your Python version.
>
> * fftw3, the Fastest Fourier Transform in the West. See fftw.org. This
> is a great FFT package and is also used by GNU radio.
>
> * python2.6-dev, fftw3-dev, libasound2-dev, portaudio19-dev These are
> development packages that you need so you can change and recompile the
> Quisk C-language files. Get the version that corresponds to the
> software you have. If you get compiler errors, check for missing

> "-dev" packages.
> --------------
> The last point is important for recompiling.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> >
> http://mobokits.stormwarning.org/content/mobo-43-files/InstallingLinuxSDRs-006.odt
> > All details there. The latest is quisk-3.5.4.
> > 73 ... Sid.
> >
> > On 30/06/11 23:22, dan wrote:
> > >
> > > ok, i installed ubuntu linux 11.04 on my laptop.
> > >
> > > fairly easy, smooth. now have a machine that will boot either
> > > to Linux, or Win7....the ubuntu install cd made a new partition
> > > and everything seems to work...
> > >
> > > I can not, however, figure out how to "re-compile QUISK"...
> > >
> > > 73, w5xz, dan
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
>
>

--
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175. Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-01 12:12:53 UTC
From: dan
Topic: 171 Message: 175

i get " page not found ".....

176. Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-01 12:23:55 UTC
From: dan
Topic: 171 Message: 176

mario:

32 bit ubuntu linux

i can see the 15 page document now (!!)...

thanks....still, a bit confusing...but i'm working on it..

(ok, so win7 has spoiled me...no more just click 'install' with linux...)

73, w5xz, dan

177. Re: [n2adr-sdr] Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-01 22:37:21 UTC
From: Sid Boyce
Topic: 171 Message: 177

It all depends on the packager and since there are different package managers in different distributions, a packager could spend all his days providing point and click. Most of the packages in Linux can be installed with GUI and mouse clicks, but the extra effort isn't worth it to software like quisk where Jim would have to spend perhaps more time on packaging than on actually developing quisk.
73 ... Sid.

On 01/07/11 13:23, dan wrote:
>
> mario:
>
> 32 bit ubuntu linux
>
> i can see the 15 page document now (!!)...
>
> thanks....still, a bit confusing...but i'm working on it..
>
> (ok, so win7 has spoiled me...no more just click 'install' with
> linux...)
>
> 73, w5xz, dan
>
>

--
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178. Re: [n2adr-sdr] Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-02 03:06:40 UTC
From: Marciniak, Ed
Topic: 171 Message: 178

So, I suppose it'd sicken you to know how little time it takes to use the bundled packager in visual studio on windows platform...

From: Sid Boyce [mailto:g3vbv@blueyonder.co.uk]
Sent: Friday, July 01, 2011 05:37 PM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: newbie baby steps

It all depends on the packager and since there are different package managers in different distributions, a packager could spend all his days providing point and click. Most of the packages in Linux can be installed with GUI and mouse clicks, but the extra effort isn't worth it to software like quisk where Jim would have to spend perhaps more time on packaging than on actually developing quisk.
73 ... Sid.

On 01/07/11 13:23, dan wrote:

mario:

32 bit ubuntu linux

i can see the 15 page document now (!!)...

thanks....still, a bit confusing...but i'm working on it..

(ok, so win7 has spoiled me...no more just click 'install' with
linux...)

73, w5xz, dan

--
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179. Re: [n2adr-sdr] Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-02 04:17:32 UTC
From: Sid Boyce
Topic: 171 Message: 179

I build RPM packages almost every day and .deb packages occasionally, that's not really a problem, the added chore would be the extra steps needed to include the configuration setup.

It's very easy to edit a text configuration file.

As for packages there is x86, x86_64, ARM, PPC and a multitude of other architectures (I count 24) that support Linux so building from source makes sense. I have quisk and sdr-shell on x86_64 on openSUSE and Kubuntu and on Ubuntu ARM. I also have quisk and sdr-shell on ARM using the Angstrom distribution.
73 ... Sid.

On 02/07/11 04:06, Marciniak, Ed wrote:
>
> So, I suppose it'd sicken you to know how little time it takes to use
> the bundled packager in visual studio on windows platform...
>
>
> *From*: Sid Boyce [mailto:g3vbv@...]
> *Sent*: Friday, July 01, 2011 05:37 PM
> *To*: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
> *Subject*: Re: [n2adr-sdr] Re: newbie baby steps
>
> It all depends on the packager and since there are different package
> managers in different distributions, a packager could spend all his
> days providing point and click. Most of the packages in Linux can be
> installed with GUI and mouse clicks, but the extra effort isn't worth
> it to software like quisk where Jim would have to spend perhaps more
> time on packaging than on actually developing quisk.
> 73 ... Sid.
>
> On 01/07/11 13:23, dan wrote:
>
>> mario:
>>
>> 32 bit ubuntu linux
>>
>> i can see the 15 page document now (!!)...
>>
>> thanks....still, a bit confusing...but i'm working on it..
>>
>> (ok, so win7 has spoiled me...no more just click 'install' with
>> linux...)
>>
>> 73, w5xz, dan

>>
>
>
> --
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180. Re: newbie baby steps

Yahoo group: n2adr-sdr
Date: 2011-07-04 05:16:05 UTC
From: Mario
Topic: 171 Message: 180

Hi, adding some dependency information and creating an archive is a good idea. Probably someone can provide the necessary files to Jim or build the packages from the sources. For me it appeared rather easy to unpack and use Quisk but probably for the first installation it would be easier to have automatic resolution of dependencies.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I build RPM packages almost every day and .deb packages occasionally,
> that's not really a problem, the added chore would be the extra steps
> needed to include the configuration setup.
>
> It's very easy to edit a text configuration file.
>
> As for packages there is x86, x86_64, ARM, PPC and a multitude of other
> architectures (I count 24) that support Linux so building from source
> makes sense. I have quisk and sdr-shell on x86_64 on openSUSE and
> Kubuntu and on Ubuntu ARM. I also have quisk and sdr-shell on ARM using
> the Angstrom distribution.
> 73 ... Sid.
>
> On 02/07/11 04:06, Marciniak, Ed wrote:
> >
> > So, I suppose it'd sicken you to know how little time it takes to use
> > the bundled packager in visual studio on windows platform...
> >
> >
> > *From*: Sid Boyce [mailto:g3vbv@...]
> > *Sent*: Friday, July 01, 2011 05:37 PM
> > *To*: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
> > *Subject*: Re: [n2adr-sdr] Re: newbie baby steps
> >
> > It all depends on the packager and since there are different package
> > managers in different distributions, a packager could spend all his
> > days providing point and click. Most of the packages in Linux can be
> > installed with GUI and mouse clicks, but the extra effort isn't worth
> > it to software like quisk where Jim would have to spend perhaps more
> > time on packaging than on actually developing quisk.
> > 73 ... Sid.
> >
> > On 01/07/11 13:23, dan wrote:
> >
> >> mario:

> >>
> >> 32 bit ubuntu linux
> >>
> >> i can see the 15 page document now (!!)...
> >>
> >> thanks....still, a bit confusing...but i'm working on it..
> >>
> >> (ok, so win7 has spoiled me...no more just click 'install' with
> >> linux...)
> >>
> >> 73, w5xz, dan
> >>
> >
> >
> > --
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> --
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>

181. QUISK with SDR-1000

Yahoo group: n2adr-sdr
Date: 2011-07-04 14:08:04 UTC
From: g4vqp
Topic: 181 Message: 181

Hello all

I have just started playing with quisk with the SDR-1000, before getting too deeply into new hardware.

Quisk is working well, I am controlling the SDR100 with GRIG via the parallel port at /dev/parport0 (/dev/parport0).

I would like to control the hardware from quisk.

I found and compiled sdr1k c and swig from the sources, without errors.
The test program works as long as the lp module is not loaded!

Is this the right approach?

Any help will be greatly appreciated.

73 de G4VQP

182. QUISK with SDR-1000

Yahoo group: n2adr-sdr
Date: 2011-07-05 14:06:58 UTC
From: g4vqp
Topic: 181 Message: 182

Lo All

Further to my last, I have eliminated some possibilities.

The C++ hw_test works correctly.

The SWIG generated tktest.py fails with the error no module named __sdr1khw

This is the same error message as attempting to import the python into quisk.

Should this file have been created, or some issue with imported paths from the environment?

Any thoughts please

73 de Chris
G4VQP

183. Re: QUISK with SDR-1000

Yahoo group: n2adr-sdr
Date: 2011-07-05 18:45:42 UTC
From: Mario
Topic: 181 Message: 183

Hi Chris,

i want to give you a short reply because probably nobody here can help you.
I also do not have an SDR1k but i tried to find out about what software you are talking.
It seems to be a piece of Python code that uses some C code to control the SDR1k. You try to combine it with Quisk to get the SDR1K supported by Quisk, right ?
Probably Bob G3UKB can help you (bob@g3ukb.co.uk). His call is stated in several files of the Pylink stuff.

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, "g4vqp" <chris@...> wrote:
>
> Lo All
>
> Further to my last, I have eliminated some possibilities.
>
> The C++ hw_test works correctly.
>
> The SWIG generated tktest.py fails with the error no module named __sdr1khw
>
> This is the same error message as attempting to import the python into quisk.
>
> Should this file have been created, or some issue with imported paths from the environment?
>
> Any thoughts please
>
> 73 de Chris
> G4VQP
>

184. Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-11 22:10:57 UTC
From: Sid Boyce
Topic: 184 Message: 184

Thanks Helmut,
Late this afternoon the HiQSDR arrived. Nice work indeed.
I've only had time to look it over briefly.
Over the next week I hope to get down to connecting it up.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

185. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-11 22:16:20 UTC
From: Ken N9VV
Topic: 184 Message: 185

Sid, please keep us informed of your progress. Many of use are watching
the N2ADR email from the Yahoo group and wondering if the HiQSDR will
turn out to be *THE FIRST* real DDC/DUC Transceiver.

danke,
73 de Ken N9VV

On 7/11/2011 5:10 PM, Sid Boyce wrote:
> Thanks Helmut,
> Late this afternoon the HiQSDR arrived. Nice work indeed.
> I've only had time to look it over briefly.
> Over the next week I hope to get down to connecting it up.
> 73 ... Sid.

--

186. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 06:43:19 UTC
From: Kaj Wiik
Topic: 184 Message: 186

2011/7/12 Ken N9VV <n9vv@...>

> turn out to be *THE FIRST* real DDC/DUC Transceiver.
I thought N2ADR transceiver described in the QEX was prior art (HiQSDR
just fine-tuning the layout) and even that was not the first... Maybe
your definition of 'real' is different from mine..

Cheers,
Kaj OH6EH

187. Re: Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 12:44:29 UTC
From: Tim W4YN
Topic: 184 Message: 187

Do not forget HPSDR!
Tim W4YN

--- In n2adr-sdr@yahoogroups.com, Kaj Wiik <kaj.wiik@...> wrote:
>
> 2011/7/12 Ken N9VV <n9vv@...>
>
> > turn out to be *THE FIRST* real DDC/DUC Transceiver.
> I thought N2ADR transceiver described in the QEX was prior art (HiQSDR
> just fine-tuning the layout) and even that was not the first... Maybe
> your definition of 'real' is different from mine..
>
> Cheers,
> Kaj OH6EH
>

188. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 12:58:37 UTC
From: Ken N9VV
Topic: 184 Message: 188

Lej Kaj,
yes you are right. There are many DDC/DUC Transceiver designs.

As far back as 2002 you can find the "Digimit" DUC by Nico Palermo IV3NWV (President of Microtelecom) and of course his current DDC Perseus product. http://www.microtelecom.it/digimit/

The OpenHPSDR group was formed by Phil Covington N8VB in 2007 and the result was the great DDC Mercury receiver and an orchestra of companion boards including the Penelope/PennyLane DUC transmitters.

Hans HB9CBU invented the ADT-200A which is still one of the most beautiful DDC/DUC units. I believe his daughter Doris HB9DSV assisted in the design of the microprocessor control software and front panel first shown at the Vortrag Hamfest in 2007.

But here we are in 2011 and the OpenHPSDR experimental platform with the Atlas backplane is the only DDC/DUC transceiver for general sale. OpenHPSDR is working on the release of the very interesting "Hermes" single board transceiver http://openhpsdr.org/hermes.php but it is under extensive development.

Alberto I2PHD and Giuliano I0CG introduced the SDT-2011 DUC Tx in 2010 and it was shown at the April 2011 Modena Hamfest. It is a beautiful DUC transmitter that can be coupled with an SDR receiver (DDC or QSD). http://www.i0cg.com/sdr-x.htm

Phil Covington N8VB introduced the exciting "QuickSilver" project http://www.philcovington.com/QuickSilver/ that includes the QS1R DDC receiver and plans for a bandpass filter set RFFE1 and the QS1T DUC Tx. The QS1T is in the early stages of development along with the companion software which features MAC/LIN/WIN platform support.

Perhaps you can help me recall some other projects that are under development or may reach a larger Ham and SWL market? many Hams here in the States are excited about the new Elecraft KX3 and we wonder what might be in the future for a "K4" product?

I am not listing the many varied QSD designs that are readily available, such as the "Ensemble" from Tony KB9YIG. I have collected a list of QSD designs here:
http://www.n9vv.com/collected-list-QSD-kits.html and the new N2APB "Cube" certainly leads the way with a handsome QSD Rx/Tx design.
Of course the first QEX articles in 1999 by Gerald Youngblood K5SDR introduced the SDR-1000 QSD transceiver as a 3 or 4 board stack that eventually became the extensive Flex Radio product line including the current 5000, 3000, and 1500 models.

I am watching the N2ADR design/HiQSDR with great interest and I hope to see a fully functional DDC/DUC Transceiver for general sale as a kit or product in the future.

We are all sending our very best wishes to Helmut DB1CC and others for the greatest success with the HiQSDR design.

cheers,
73 de Ken N9VV
http://www.n9vv.com

On 7/12/2011 1:43 AM, Kaj Wiik wrote:
> 2011/7/12 Ken N9VV<n9vv@...>
>
>> turn out to be *THE FIRST* real DDC/DUC Transceiver.
> I thought N2ADR transceiver described in the QEX was prior art (HiQSDR
> just fine-tuning the layout) and even that was not the first... Maybe
> your definition of 'real' is different from mine..
>
> Cheers,
> Kaj OH6EH
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

--

189. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 14:35:19 UTC
From: Ken N9VV
Topic: 184 Message: 189

Oh, I forgot a beautiful DDC/DUC transceiver built by the famous Peter Martinez G3PLX. I guess they decided to make it a one time project for their personal enjoyment. It certainly was a wake up call to all the Engineers who love digital electronics <g>

RADCOM ♦ MARCH 2009 PETER MARTINEZ, G3PLX & STEVE GRAY, G7LHS
"The All-Digital Transceiver"
---

73 de Ken N9VV
http://www.n9vv.com

On 7/12/2011 7:58 AM, Ken N9VV wrote:
> Lej Kaj,
> yes you are right. There are many DDC/DUC Transceiver designs.

190. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 14:35:20 UTC
From: Sid Boyce
Topic: 184 Message: 190

I gathered that the HPSDR Hermes was demoed at Dayton. It was supposed to have been released last April but has been delayed by the decision to change from USB to Ethernet.

There is the QS1R RX and I think they've just added a TX board to it and testing back at the factory.

I don't know whether the term first fits as it appears to be quite close to Hermes, but it's certainly a leading and welcomed advancement from the HPSDR multiple board solution.
Where it's a first is that the software (quisk) is cross platform whereas all the HPSDR RXTX software is Windows only.
73 ... Sid.

On 12/07/11 07:43, Kaj Wiik wrote:
>
> 2011/7/12 Ken N9VV <n9vv@... <mailto:n9vv%40wowway.com>>
>
> > turn out to be *THE FIRST* real DDC/DUC Transceiver.
> I thought N2ADR transceiver described in the QEX was prior art (HiQSDR
> just fine-tuning the layout) and even that was not the first... Maybe
> your definition of 'real' is different from mine..
>
> Cheers,
> Kaj OH6EH
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

191. Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-12 23:49:31 UTC
From: Rob Frohne
Topic: 191 Message: 191
Attachments: 1 described; binary payloads are missing from this source WARC

Hi,

I'm finally getting a few minutes to work on this again. And as I work on adding up all the powers used by everything, I finally got to the FPGA. Quartus has some power analysis built in, but setting up the inputs realistically for a good simulation isn't quick and easy (at least for this novice). Has anyone made experimental measurements other than Helmut's before he programmed the FPGA?

73,

Rob

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

192. Re: [n2adr-sdr] Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-13 00:17:56 UTC
From: Marciniak, Ed
Topic: 191 Message: 192

Couldn't one make certain assumptions in trying to estimate?
(Yes I realize that's not the question asked)

One bit (sign) will flip in a roughly predictable fashion in a function related to frequency of strongest signal provided it it least 6 db greater power with a signal. If no signal, it might toggle 50% of the time along with several LSBs.

The bits in between will have some relationship to the received power.

Multiplier inputs that are zero will produce some partial products that are zero.

From: Rob Frohne [mailto:rob.frohne@wallawalla.edu]
Sent: Tuesday, July 12, 2011 06:49 PM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] Power Requirements?

Hi,

I'm finally getting a few minutes to work on this again. And as I work on adding up all the powers used by everything, I finally got to the FPGA. Quartus has some power analysis built in, but setting up the inputs realistically for a good simulation isn't quick and easy (at least for this novice). Has anyone made experimental measurements other than Helmut's before he programmed the FPGA?

73,

Rob

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Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

193. Re: [n2adr-sdr] Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-13 04:20:38 UTC
From: Rob Frohne
Topic: 191 Message: 193
Attachments: 1 described; binary payloads are missing from this source WARC

I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with I/O accounting for about 1/4 watt. I'm still interested in any experimental data though.

73,

Rob
KL7NA

On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
> Couldn't one make certain assumptions in trying to estimate?
> (Yes I realize that's not the question asked)
>
> One bit (sign) will flip in a roughly predictable fashion in a
> function related to frequency of strongest signal provided it it least
> 6 db greater power with a signal. If no signal, it might toggle 50% of
> the time along with several LSBs.
>
> The bits in between will have some relationship to the received power.
>
> Multiplier inputs that are zero will produce some partial products
> that are zero.
>
>
>
> *From*: Rob Frohne [mailto:rob.frohne@...]
> *Sent*: Tuesday, July 12, 2011 06:49 PM
> *To*: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
> *Subject*: [n2adr-sdr] Power Requirements?
>
> Hi,
>
> I'm finally getting a few minutes to work on this again. And as I work
> on adding up all the powers used by everything, I finally got to the
> FPGA. Quartus has some power analysis built in, but setting up the
> inputs realistically for a good simulation isn't quick and easy (at
> least for this novice). Has anyone made experimental measurements other
> than Helmut's before he programmed the FPGA?
>
> 73,
>
> Rob
>
> --

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194. Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-13 05:48:16 UTC
From: Mario
Topic: 191 Message: 194

I have just some old data, hopefully correctly written down to the piece of paper i found.
It was taken with the DL7LA/DL7IY PCB without programming of the config flash.
- 12V input
= switched regulator P3596 L-5.0 5.0V
o linear regulator LT1085 3.3V
o LT1085 2.5V
o linear regulator (i do not remember the type) 1.2V
= lin reg 5V for preamp
= lin reg 3.3V for AD/DA
= lin reg 7.5V for TX MMIC

sequentially putting all the stuff to power (at 12V input):
- only regulator and LEDs of power supply: 76mA
- adding 3.3V and 1.2V of FPGA: 246mA
- adding 2.5V of FPGA: 285mA
- adding 3.3V analog voltage: 347mA
- adding 5V analog voltage: 378mA
- supply also the TCXO to power (disconnected before): 550mA

With configured FPGA i see around 800-900mA at 12V with this configuration depending on the data transferred via Ethernet.

Hope this data helps.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
>
> I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with
> I/O accounting for about 1/4 watt. I'm still interested in any
> experimental data though.
>
> 73,
>
> Rob
> KL7NA
>
> On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
> >
> > Couldn't one make certain assumptions in trying to estimate?
> > (Yes I realize that's not the question asked)
> >
> > One bit (sign) will flip in a roughly predictable fashion in a
> > function related to frequency of strongest signal provided it it least
> > 6 db greater power with a signal. If no signal, it might toggle 50% of

> > the time along with several LSBs.
> >
> > The bits in between will have some relationship to the received power.
> >
> > Multiplier inputs that are zero will produce some partial products
> > that are zero.
> >
> >
> >
> > *From*: Rob Frohne [mailto:rob.frohne@...]
> > *Sent*: Tuesday, July 12, 2011 06:49 PM
> > *To*: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
> > *Subject*: [n2adr-sdr] Power Requirements?
> >
> > Hi,
> >
> > I'm finally getting a few minutes to work on this again. And as I work
> > on adding up all the powers used by everything, I finally got to the
> > FPGA. Quartus has some power analysis built in, but setting up the
> > inputs realistically for a good simulation isn't quick and easy (at
> > least for this novice). Has anyone made experimental measurements other
> > than Helmut's before he programmed the FPGA?
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> > 73,
> >
> > Rob
> >
> > --
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>

195. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-13 18:54:44 UTC
From: Rob Frohne
Topic: 191 Message: 195
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Mario!

Yes that is very helpful. According to my 99% I/O simulation in Quartus, the LT3080 (1.2 V regulator) wouldn't be able to handle the needed current. Your experimental work is very helpful. Thanks for digging it up for me!

73,

Rob

On 07/12/2011 10:48 PM, Mario wrote:
>
> I have just some old data, hopefully correctly written down to the
> piece of paper i found.
> It was taken with the DL7LA/DL7IY PCB without programming of the
> config flash.
> - 12V input
> = switched regulator P3596 L-5.0 5.0V
> o linear regulator LT1085 3.3V
> o LT1085 2.5V
> o linear regulator (i do not remember the type) 1.2V
> = lin reg 5V for preamp
> = lin reg 3.3V for AD/DA
> = lin reg 7.5V for TX MMIC
>
> sequentially putting all the stuff to power (at 12V input):
> - only regulator and LEDs of power supply: 76mA
> - adding 3.3V and 1.2V of FPGA: 246mA
> - adding 2.5V of FPGA: 285mA
> - adding 3.3V analog voltage: 347mA
> - adding 5V analog voltage: 378mA
> - supply also the TCXO to power (disconnected before): 550mA
>
> With configured FPGA i see around 800-900mA at 12V with this
> configuration depending on the data transferred via Ethernet.
>
> Hope this data helps.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Rob Frohne <rob.frohne@...> wrote:
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> > I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with
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> > Rob
> > KL7NA
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> > On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
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> > > (Yes I realize that's not the question asked)
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> > >
> > > *From*: Rob Frohne [mailto:rob.frohne@...]
> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
> > > *To*: n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>>
> > > *Subject*: [n2adr-sdr] Power Requirements?
> > >
> > > Hi,
> > >
> > > I'm finally getting a few minutes to work on this again. And as I work
> > > on adding up all the powers used by everything, I finally got to the
> > > FPGA. Quartus has some power analysis built in, but setting up the
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> > > Rob
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196. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-14 00:30:03 UTC
From: Sid Boyce
Topic: 191 Message: 196

Originally sent at 13:08 UTC but hasn't appeared.

I was a little puzzled by seeing +6V input on the circuit diagram but
wondered why not a +13.8V supply.
Any worries about the extra voltage drop across the +5V regulator?
73 ... Sid.

On 13/07/11 06:48, Mario wrote:
>
> I have just some old data, hopefully correctly written down to the
> piece of paper i found.
> It was taken with the DL7LA/DL7IY PCB without programming of the
> config flash.
> - 12V input
> = switched regulator P3596 L-5.0 5.0V
> o linear regulator LT1085 3.3V
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> o linear regulator (i do not remember the type) 1.2V
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> - supply also the TCXO to power (disconnected before): 550mA
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> With configured FPGA i see around 800-900mA at 12V with this
> configuration depending on the data transferred via Ethernet.
>
> Hope this data helps.
>
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> > I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with
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> > experimental data though.
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> > KL7NA
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> > On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
> > >
> > > Couldn't one make certain assumptions in trying to estimate?
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> > > One bit (sign) will flip in a roughly predictable fashion in a
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> > >
> > > *From*: Rob Frohne [mailto:rob.frohne@...]
> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
> > > *To*: n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>>
> > > *Subject*: [n2adr-sdr] Power Requirements?
> > >
> > > Hi,
> > >
> > > I'm finally getting a few minutes to work on this again. And as I work
> > > on adding up all the powers used by everything, I finally got to the
> > > FPGA. Quartus has some power analysis built in, but setting up the
> > > inputs realistically for a good simulation isn't quick and easy (at
> > > least for this novice). Has anyone made experimental measurements
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> > > than Helmut's before he programmed the FPGA?
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> > > 73,
> > >
> > > Rob
> > >
> > > --
> > > Rob Frohne, Ph.D., P.E.
> > > E.F. Cross School of Engineering
> > > Walla Walla University
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197. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-14 01:04:26 UTC
From: Rob Frohne
Topic: 191 Message: 197
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Sid,

Check the data sheet for the linear regulator you are using. The power dissipated in the regulator is

(13.8 - 5)*current

As you can see, you are wasting more power than you are using by a fair margin. I noted that Mario has a very large heat sink and runs 12 volts and Jim used 6 volts and just the case as heat sink. I'm inclined to do more like Jim, or use a switching regulator. I'm working now on a board that is set up to try several things out like that.

73,

Rob
KL7NA

On 07/13/2011 05:30 PM, Sid Boyce wrote:
>
> Originally sent at 13:08 UTC but hasn't appeared.
>
> I was a little puzzled by seeing +6V input on the circuit diagram but
> wondered why not a +13.8V supply.
> Any worries about the extra voltage drop across the +5V regulator?
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>> piece of paper i found.
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>> config flash.
>> - 12V input
>> = switched regulator P3596 L-5.0 5.0V
>> o linear regulator LT1085 3.3V
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>> - adding 2.5V of FPGA: 285mA
>> - adding 3.3V analog voltage: 347mA
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>> - supply also the TCXO to power (disconnected before): 550mA
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>> With configured FPGA i see around 800-900mA at 12V with this
>> configuration depending on the data transferred via Ethernet.
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>> Hope this data helps.
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>> >
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>> > > Multiplier inputs that are zero will produce some partial products
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>> > >
>> > >
>> > > *From*: Rob Frohne [mailto:rob.frohne@...]
>> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
>> > > *To*: n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
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>> > > *Subject*: [n2adr-sdr] Power Requirements?
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198. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-14 02:07:41 UTC
From: Sid Boyce
Topic: 191 Message: 198

I've been looking at the REG104-5 specs and I shall go with my original
idea of 13.8V --> LM317T on a large heatsink --> 6V.
Thanks,
73 ... Sid.

On 14/07/11 02:04, Rob Frohne wrote:
>
> Hi Sid,
>
> Check the data sheet for the linear regulator you are using. The
> power dissipated in the regulator is
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> (13.8 - 5)*current
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> As you can see, you are wasting more power than you are using by a
> fair margin. I noted that Mario has a very large heat sink and runs
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>>> It was taken with the DL7LA/DL7IY PCB without programming of the
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199. Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-14 05:39:34 UTC
From: Mario
Topic: 191 Message: 199

Hi,

the intention of the big headsink at my setup is that i want to put a 5W amplifier on there later on. But the regulators are connected there as well. I use a 13.8V -> 5V switched regulator with linear regulators after that for the digital part.
The analog parts are connected to linear regulators directly supplied by the 13.8V. Reason for all that effort is to keep noise and voltage ripple away from the frontend. They are significant contributors to the TX noise because of modulation effects.
Anyway even with the big headsink the TRX is getting a bit warm (not hot).
To be honest i have not so much experience getting the noise off the output voltage of switched supplies. So for me this is also part of the experiment. I used 13.8V input because i wanted to limit the wiring and number of power supplies because i want to use the frontend portable.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I've been looking at the REG104-5 specs and I shall go with my original
> idea of 13.8V --> LM317T on a large heatsink --> 6V.
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202. HiQSDR Power supplies

Yahoo group: n2adr-sdr
Date: 2011-07-14 11:43:30 UTC
From: Helmut Goebkes
Topic: 202 Message: 202

Hi Group,

i followed the discussion about power supplies for the N2ADR/HiQSDR boards last days. In principle, the best solution is a analog series regulator in means of low noise supply. On the other hand, this tend to dissapate a lot of heat and needs big Heatsinks.

In my opinion, the best is to combine both worlds. Personally i use for my fixed station a good switching wall power supply (attention: cheap ones produces a broad noise spectrum) with an output voltage of about 6 volts, 2Amps, electronically regulated (!)
Most distrubutors worldwide sell them for some bucks, but often you can cannibalize them from electronic toys or handys.

For portable or mobile use, i would also use a switching high efficiency preregulator. As an example, i setup a circuit diagram of a good and affordable switching supply solution into the files area (DB1CC/HiQSDR-Folder) made arounda LM22675. The whole Curcuit has only the size of a Thumb and converts 10..28 Volts into 6.5 Volts with around 1.2 Amps max. Efficiency is >85%. This is only an example, many other switching preregulators may work and saves energy (and heatsinks..)

73!
Helmut, DB1CC

203. Re: [n2adr-sdr] HiQSDR Power supplies

Yahoo group: n2adr-sdr
Date: 2011-07-14 12:12:09 UTC
From: Marciniak, Ed
Topic: 202 Message: 203

A third option is a switching power supply with an active decoupler and using its output for the feedback to the switching regulator.

Its almost mandatory to model it in something like ltspice (free) if you can live with using a linear tech part. I can.

Getting ripple below 50uV doesn't take too much capacitance and costs maybe 1 USD in parts over basic switching power supply.

Ltspice will even give you a fourier spectrum of the output so you can see where the energy is concentrated at a glance.

From: Helmut Goebkes [mailto:hgoebkes@technologie2000.de]
Sent: Thursday, July 14, 2011 06:43 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] HiQSDR Power supplies

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73!
Helmut, DB1CC

204. Re: [n2adr-sdr] Power Supply für HiQSDR

Yahoo group: n2adr-sdr
Date: 2011-07-14 16:05:26 UTC
From: Sid Boyce
Topic: 204 Message: 204
Attachments: 1 described; binary payloads are missing from this source WARC

```
I powered up and connected to the network half an hour ago.
13.8V --> LM317T (6.0V) --> rig.
Using nmap the IP address is 192.168.10.32, ran quisk, no output.
Results as follows:-
Nmap scan report for 192.168.10.132
Host is up (0.00011s latency).
All 1000 scanned ports on 192.168.10.132 are closed
MAC Address: 00:0A:E4:4E:A1:42 (Wistron)
Too many fingerprints match this host to give specific OS details
Network Distance: 1 hop

HOP RTT ADDRESS
1 0.11 ms 192.168.10.132

tindog:/opt/quisk-3.5.4 # python quisk.py
Cannot connect to server socket err = No such file or directory
Cannot connect to server socket
jack server is not running or cannot be started
Traceback (most recent call last):
File
"/usr/lib64/python2.7/site-packages/wx-2.8-gtk2-unicode/wx/_core.py",
line 14636, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
File "quisk.py", line 2477, in OnReadSound
Hardware.HeartBeat()
File "./n2adr/quisk_hardware.py", line 102, in HeartBeat
self.anttuner.HeartBeat()
File "./n2adr/quisk_hardware.py", line 581, in HeartBeat
import serial
ImportError: No module named serial

------------------------------------------------------------------------
# This is the config file from my shack, which controls various hardware.

import sys

from n2adr import quisk_hardware
from n2adr import quisk_widgets

if "win" in sys.platform:
name_of_sound_capt = "Primary"
name_of_sound_play = "Primary"
else:
name_of_sound_capt = "hw:0"
name_of_sound_play = name_of_sound_capt
```

```
default_screen = 'WFall'
waterfall_y_scale = 80
waterfall_y_zero = 40
waterfall_graph_y_scale = 40
waterfall_graph_y_zero = 90
waterfall_graph_size = 160

bandState['40'] = ( 7190000, -5000, 'LSB')
microphone_name = ""
add_imd_button = 1
add_fdx_button = 1
add_extern_demod = "WFM"
latency_millisecs = 50

rxmeth = 1
txmeth = 1

if rxmeth == 0: # sound card
data_poll_usec = 5000
sample_rate = 96000 # ADC hardware
sample rate in Hertz
rx_ip = '192.168.10.132' # Ethernet Hambus control of VFO
rx_port = 0x3A00 + 135
elif rxmeth == 1: # Transceiver
use_rx_udp = 1 # Get ADC
samples from UDP
rx_udp_ip = "192.168.10.132" # Sample source IP address
rx_udp_port = 0xBC77 # Sample source UDP port
rx_udp_clock = 122880000 # ADC sample rate in Hertz
rx_udp_decimation = 8 * 8 * 8 # Decimation from clock to UDP
sample rate
sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)
# Don't change this
name_of_sound_capt = "" # We do not capture
from the soundcard
channel_i = 0 # Soundcard
index of left channel
channel_q = 1 # Soundcard
index of right channel
data_poll_usec = 10000
playback_rate = 48000
elif rxmeth == 2: # SDR-IQ
use_sdriq = 1 # Use the SDR-IQ
sdriq_name = "/dev/ft2450" # Name of the SDR-IQ device to open
sdriq_clock = 66666667.0 # actual sample rate (66666667
nominal)
sdriq_decimation = 600 # Must be 360, 500,
600, or 1250
sample_rate = int(float(sdriq_clock) / sdriq_decimation + 0.5)
# Don't change this
name_of_sound_capt = "" # We do not capture
from the soundcard
```

```
# Note: For the SDR-IQ, playback is stereo at 48000 Hertz.
channel_i = 0 # Soundcard index of
left channel
channel_q = 1 # Soundcard index of
right channel
display_fraction = 0.85

if txmeth == 0: # No transmit
tx_ip = ""
elif txmeth == 1: # Transceiver
microphone_name = "hw:0"
tx_ip = "192.168.10.132"
key_method = "" # Use internal method
tx_audio_port = 0xBC79
mic_out_volume = 1.0
elif txmeth == 2: # SSB exciter
microphone_name = "hw:0"
tx_ip = "192.168.10.132"
key_method = "192.168.10.132" # Use UDP from this address
tx_audio_port = 0x553B
mic_out_volume = 0.6772
-------------------------------------------------------------------------------------------
---
No sound from the Mic either.
73 ... Sid.

On 14/07/11 12:27, Helmut Goebkes wrote:
>
> Hi Group,
>
> i followed the discussion about power supplies for the N2ADR/HiQSDR
> boards last days. In principle, the best solution is a analog series
> regulator in means of low noise supply.
> On the other hand, this tend to dissapate a lot of heat and needs big
> Heatsinks.
>
> In my opinion, the best is to combine both worlds. Personally i use
> for my fixed station a good switching wall power supply (attention:
> cheap ones produces a broad noise spectrum) with an output voltage of
> about 6 volts, 2Amps, electronically regulated (!)
> Most distrubutors worldwide sell them for some bucks, but often you
> can cannibalize them from electronic toys or handys.
>
> For portable or mobile use, i would also use a switching high
> efficiency preregulator. As an example, i setup a circuit diagram of a
> good and affordable switching supply solution into the files area
> (DB1CC/HiQSDR-Folder) made around a LM25575. The whole Curcuit has
> only the size of a Thumb and converts 10..28 Volts into 6.5 Volts with
> around 1.2 Amps max.
> Efficiency is >85%. This is only an example, many other switching
> preregulators may work and saves energy (and heatsinks..)
```

>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

205. Re: Power Supply für HiQSDR

Yahoo group: n2adr-sdr
Date: 2011-07-14 17:28:08 UTC
From: Mario
Topic: 204 Message: 205

Hi Sid,

seems there are some strange problems with modules of Quisk.
Were is your quisk_conf.py file located ? I usually have it in my home directory and named it .quisk_conf.py
Second: Did you install the required packages ?
You need python-wxgtk2.8 and fftw3.
You should also install the module python-serial.
I do not know why quisk searches for a jack audio server. Thats nothing i see in your configuration file.
Thats why i asked for the location of your config file. I assume quisk uses another one.
The SDR should respond to ping requests. I assume the hardware is ok.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I powered up and connected to the network half an hour ago.
> 13.8V --> LM317T (6.0V) --> rig.
> Using nmap the IP address is 192.168.10.32, ran quisk, no output.
> Results as follows:-
> Nmap scan report for 192.168.10.132
> Host is up (0.00011s latency).
> All 1000 scanned ports on 192.168.10.132 are closed
> MAC Address: 00:0A:E4:4E:A1:42 (Wistron)
> Too many fingerprints match this host to give specific OS details
> Network Distance: 1 hop
>
> HOP RTT ADDRESS
> 1 0.11 ms 192.168.10.132
>
> tindog:/opt/quisk-3.5.4 # python quisk.py
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server socket
> jack server is not running or cannot be started
> Traceback (most recent call last):
> File
> "/usr/lib64/python2.7/site-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line 14636, in <lambda>
> lambda event: event.callable(*event.args, **event.kw))
> File "quisk.py", line 2477, in OnReadSound
> Hardware.HeartBeat()
> File "./n2adr/quisk_hardware.py", line 102, in HeartBeat
> self.anttuner.HeartBeat()
> File "./n2adr/quisk_hardware.py", line 581, in HeartBeat

```
> import serial
> ImportError: No module named serial
>
> ------------------------------------------------------------------------
> # This is the config file from my shack, which controls various hardware.
>
> import sys
>
> from n2adr import quisk_hardware
> from n2adr import quisk_widgets
>
> if "win" in sys.platform:
> name_of_sound_capt = "Primary"
> name_of_sound_play = "Primary"
> else:
> name_of_sound_capt = "hw:0"
> name_of_sound_play = name_of_sound_capt
>
> default_screen = 'WFall'
> waterfall_y_scale = 80
> waterfall_y_zero = 40
> waterfall_graph_y_scale = 40
> waterfall_graph_y_zero = 90
> waterfall_graph_size = 160
>
> bandState['40'] = ( 7190000, -5000, 'LSB')
> microphone_name = ""
> add_imd_button = 1
> add_fdx_button = 1
> add_extern_demod = "WFM"
> latency_millisecs = 50
>
> rxmeth = 1
> txmeth = 1
>
> if rxmeth == 0: # sound card
> data_poll_usec = 5000
> sample_rate = 96000 # ADC hardware
> sample rate in Hertz
> rx_ip = '192.168.10.132' # Ethernet Hambus control of VFO
> rx_port = 0x3A00 + 135
> elif rxmeth == 1: # Transceiver
> use_rx_udp = 1 # Get ADC
> samples from UDP
> rx_udp_ip = "192.168.10.132" # Sample source IP address
> rx_udp_port = 0xBC77 # Sample source UDP port
> rx_udp_clock = 122880000 # ADC sample rate in Hertz
> rx_udp_decimation = 8 * 8 * 8 # Decimation from clock to UDP
> sample rate
> sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)
```

```
> # Don't change this
> name_of_sound_capt = "" # We do not capture
> from the soundcard
> channel_i = 0 # Soundcard
> index of left channel
> channel_q = 1 # Soundcard
> index of right channel
> data_poll_usec = 10000
> playback_rate = 48000
> elif rxmeth == 2: # SDR-IQ
> use_sdriq = 1 # Use the SDR-IQ
> sdriq_name = "/dev/ft2450" # Name of the SDR-IQ device to open
> sdriq_clock = 66666667.0 # actual sample rate (66666667
> nominal)
> sdriq_decimation = 600 # Must be 360, 500,
> 600, or 1250
> sample_rate = int(float(sdriq_clock) / sdriq_decimation + 0.5)
> # Don't change this
> name_of_sound_capt = "" # We do not capture
> from the soundcard
> # Note: For the SDR-IQ, playback is stereo at 48000 Hertz.
> channel_i = 0 # Soundcard index of
> left channel
> channel_q = 1 # Soundcard index of
> right channel
> display_fraction = 0.85
>
>
> if txmeth == 0: # No transmit
> tx_ip = ""
> elif txmeth == 1: # Transceiver
> microphone_name = "hw:0"
> tx_ip = "192.168.10.132"
> key_method = "" # Use internal method
> tx_audio_port = 0xBC79
> mic_out_volume = 1.0
> elif txmeth == 2: # SSB exciter
> microphone_name = "hw:0"
> tx_ip = "192.168.10.132"
> key_method = "192.168.10.132" # Use UDP from this address
> tx_audio_port = 0x553B
> mic_out_volume = 0.6772
> ----------------------------------------------------------------------------------------
-----
> No sound from the Mic either.
> 73 ... Sid.
>
>
> On 14/07/11 12:27, Helmut Goebkes wrote:
> >
```

> > Hi Group,
> >
> > i followed the discussion about power supplies for the N2ADR/HiQSDR
> > boards last days. In principle, the best solution is a analog series
> > regulator in means of low noise supply.
> > On the other hand, this tend to dissapate a lot of heat and needs big
> > Heatsinks.
> >
> > In my opinion, the best is to combine both worlds. Personally i use
> > for my fixed station a good switching wall power supply (attention:
> > cheap ones produces a broad noise spectrum) with an output voltage of
> > about 6 volts, 2Amps, electronically regulated (!)
> > Most distrubutors worldwide sell them for some bucks, but often you
> > can cannibalize them from electronic toys or handys.
> >
> > For portable or mobile use, i would also use a switching high
> > efficiency preregulator. As an example, i setup a circuit diagram of a
> > good and affordable switching supply solution into the files area
> > (DB1CC/HiQSDR-Folder) made around a LM25575. The whole Curcuit has
> > only the size of a Thumb and converts 10..28 Volts into 6.5 Volts with
> > around 1.2 Amps max.
> > Efficiency is >85%. This is only an example, many other switching
> > preregulators may work and saves energy (and heatsinks..)
> >
> > 73!
> > Helmut, DB1CC
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

206. Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-14 18:26:32 UTC
From: Helmut Goebkes
Topic: 206 Message: 206

Hi Sid,

i am not a Linux specialist, but the HiQSDR
is originally programmed in the FPGA
to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
Do you reprogrammed the FPGA to the new IP?

I see that no output sound name is defined.
The CD contains a config_py for Windows and Linux that
works fine for me and this can be the basic for your tests.
Shure, you have to adapt you soundcard
names for your computer.

Another Hint: Several People had problems if they
connect the HiQSDR directly via a cross-cable to a PC!
100MBit connections via Cross-Cables without switches in between
are mostly not stable!
Try connection via a switch (and a straight cable) please!

maybe that helps a little bit ;-)

73!
Helmut, DB1CC

207. Re: [n2adr-sdr] Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-14 18:35:47 UTC
From: Marciniak, Ed
Topic: 206 Message: 207

Is a direct connection issue a problem when there is a duplex mismatch?

From: Helmut Goebkes [mailto:hgoebkes@technologie2000.de]
Sent: Thursday, July 14, 2011 01:26 PM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] Quisk Problems

Hi Sid,

i am not a Linux specialist, but the HiQSDR
is originally programmed in the FPGA
to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
Do you reprogrammed the FPGA to the new IP?

I see that no output sound name is defined.
The CD contains a config_py for Windows and Linux that
works fine for me and this can be the basic for your tests.
Shure, you have to adapt you soundcard
names for your computer.

Another Hint: Several People had problems if they
connect the HiQSDR directly via a cross-cable to a PC!
100MBit connections via Cross-Cables without switches in between
are mostly not stable!
Try connection via a switch (and a straight cable) please!

maybe that helps a little bit ;-)

73!
Helmut, DB1CC

208. Re: [n2adr-sdr] Re: Power Supply für HiQSDR

Yahoo group: n2adr-sdr
Date: 2011-07-14 19:23:43 UTC
From: Sid Boyce
Topic: 204 Message: 208

Perhaps pyserial but all the others are there and quisk worked with
Softrocks previously.
73 ... Sid.

On 14/07/11 18:28, Mario wrote:
>
> Hi Sid,
>
> seems there are some strange problems with modules of Quisk.
> Were is your quisk_conf.py file located ? I usually have it in my home
> directory and named it .quisk_conf.py
> Second: Did you install the required packages ?
> You need python-wxgtk2.8 and fftw3.
> You should also install the module python-serial.
> I do not know why quisk searches for a jack audio server. Thats
> nothing i see in your configuration file.
> Thats why i asked for the location of your config file. I assume quisk
> uses another one.
> The SDR should respond to ping requests. I assume the hardware is ok.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I powered up and connected to the network half an hour ago.
> > 13.8V --> LM317T (6.0V) --> rig.
> > Using nmap the IP address is 192.168.10.32, ran quisk, no output.
> > Results as follows:-
> > Nmap scan report for 192.168.10.132
> > Host is up (0.00011s latency).
> > All 1000 scanned ports on 192.168.10.132 are closed
> > MAC Address: 00:0A:E4:4E:A1:42 (Wistron)
> > Too many fingerprints match this host to give specific OS details
> > Network Distance: 1 hop
> >
> > HOP RTT ADDRESS
> > 1 0.11 ms 192.168.10.132
> >
> > tindog:/opt/quisk-3.5.4 # python quisk.py
> > Cannot connect to server socket err = No such file or directory
> > Cannot connect to server socket
> > jack server is not running or cannot be started
> > Traceback (most recent call last):

```
> > File
> > "/usr/lib64/python2.7/site-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> > line 14636, in <lambda>
> > lambda event: event.callable(*event.args, **event.kw) )
> > File "quisk.py", line 2477, in OnReadSound
> > Hardware.HeartBeat()
> > File "./n2adr/quisk_hardware.py", line 102, in HeartBeat
> > self.anttuner.HeartBeat()
> > File "./n2adr/quisk_hardware.py", line 581, in HeartBeat
> > import serial
> > ImportError: No module named serial
> >
> > ------------------------------------------------------------
> > # This is the config file from my shack, which controls various
> hardware.
> >
> > import sys
> >
> > from n2adr import quisk_hardware
> > from n2adr import quisk_widgets
> >
> > if "win" in sys.platform:
> > name_of_sound_capt = "Primary"
> > name_of_sound_play = "Primary"
> > else:
> > name_of_sound_capt = "hw:0"
> > name_of_sound_play = name_of_sound_capt
> >
> > default_screen = 'WFall'
> > waterfall_y_scale = 80
> > waterfall_y_zero = 40
> > waterfall_graph_y_scale = 40
> > waterfall_graph_y_zero = 90
> > waterfall_graph_size = 160
> >
> > bandState['40'] = ( 7190000, -5000, 'LSB')
> > microphone_name = ""
> > add_imd_button = 1
> > add_fdx_button = 1
> > add_extern_demod = "WFM"
> > latency_millisecs = 50
> >
> > rxmeth = 1
> > txmeth = 1
> >
> > if rxmeth == 0: # sound card
> > data_poll_usec = 5000
> > sample_rate = 96000 # ADC hardware
> > sample rate in Hertz
> > rx_ip = '192.168.10.132' # Ethernet Hambus control of VFO
```

```
> > rx_port = 0x3A00 + 135
> > elif rxmeth == 1: # Transceiver
> > use_rx_udp = 1 # Get ADC
> > samples from UDP
> > rx_udp_ip = "192.168.10.132" # Sample source IP address
> > rx_udp_port = 0xBC77 # Sample source UDP port
> > rx_udp_clock = 122880000 # ADC sample rate in Hertz
> > rx_udp_decimation = 8 * 8 * 8 # Decimation from clock to UDP
> > sample rate
> > sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)
> > # Don't change this
> > name_of_sound_capt = "" # We do not capture
> > from the soundcard
> > channel_i = 0 # Soundcard
> > index of left channel
> > channel_q = 1 # Soundcard
> > index of right channel
> > data_poll_usec = 10000
> > playback_rate = 48000
> > elif rxmeth == 2: # SDR-IQ
> > use_sdriq = 1 # Use the SDR-IQ
> > sdriq_name = "/dev/ft2450" # Name of the SDR-IQ device to open
> > sdriq_clock = 66666667.0 # actual sample rate (66666667
> > nominal)
> > sdriq_decimation = 600 # Must be 360, 500,
> > 600, or 1250
> > sample_rate = int(float(sdriq_clock) / sdriq_decimation + 0.5)
> > # Don't change this
> > name_of_sound_capt = "" # We do not capture
> > from the soundcard
> > # Note: For the SDR-IQ, playback is stereo at 48000 Hertz.
> > channel_i = 0 # Soundcard index of
> > left channel
> > channel_q = 1 # Soundcard index of
> > right channel
> > display_fraction = 0.85
> >
> >
> > if txmeth == 0: # No transmit
> > tx_ip = ""
> > elif txmeth == 1: # Transceiver
> > microphone_name = "hw:0"
> > tx_ip = "192.168.10.132"
> > key_method = "" # Use internal method
> > tx_audio_port = 0xBC79
> > mic_out_volume = 1.0
> > elif txmeth == 2: # SSB exciter
> > microphone_name = "hw:0"
> > tx_ip = "192.168.10.132"
> > key_method = "192.168.10.132" # Use UDP from this address
```

> > tx_audio_port = 0x553B
> > mic_out_volume = 0.6772
> > ----------
> > No sound from the Mic either.
> > 73 ... Sid.
> >
> >
> > On 14/07/11 12:27, Helmut Goebkes wrote:
> > >
> > > Hi Group,
> > >
> > > i followed the discussion about power supplies for the N2ADR/HiQSDR
> > > boards last days. In principle, the best solution is a analog series
> > > regulator in means of low noise supply.
> > > On the other hand, this tend to dissapate a lot of heat and needs big
> > > Heatsinks.
> > >
> > > In my opinion, the best is to combine both worlds. Personally i use
> > > for my fixed station a good switching wall power supply (attention:
> > > cheap ones produces a broad noise spectrum) with an output voltage of
> > > about 6 volts, 2Amps, electronically regulated (!)
> > > Most distrubutors worldwide sell them for some bucks, but often you
> > > can cannibalize them from electronic toys or handys.
> > >
> > > For portable or mobile use, i would also use a switching high
> > > efficiency preregulator. As an example, i setup a circuit diagram
> of a
> > > good and affordable switching supply solution into the files area
> > > (DB1CC/HiQSDR-Folder) made around a LM25575. The whole Curcuit has
> > > only the size of a Thumb and converts 10..28 Volts into 6.5 Volts
> with
> > > around 1.2 Amps max.
> > > Efficiency is >85%. This is only an example, many other switching
> > > preregulators may work and saves energy (and heatsinks..)
> > >
> > > 73!
> > > Helmut, DB1CC
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

209. Re: [n2adr-sdr] Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-14 19:43:54 UTC
From: Sid Boyce
Topic: 206 Message: 209

On 14/07/11 19:26, Helmut Goebkes wrote:
>
> Hi Sid,
>
> i am not a Linux specialist, but the HiQSDR
> is originally programmed in the FPGA
> to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> Do you reprogrammed the FPGA to the new IP?
>
Perhaps you forgot that I asked for it to be programmed in the
192.168.10 range as I don't have a programmer on hand. The
192.168.10.132 IP address that nmap returned is not one on my network so
I thought that was it.
I shall either have to readdress my network or set up a separate usb
network for it.

> I see that no output sound name is defined.
> The CD contains a config_py for Windows and Linux that
> works fine for me and this can be the basic for your tests.
> Shure, you have to adapt you soundcard
> names for your computer.
>
In the case of the HiQSDR I thought that only one sound card was needed.
Does quisk route the packets to one card, e.g hw:1 with Mic/Speakers on
another, in this case hw:0 as with I-Q processing?

```
if "win" in sys.platform:
name_of_sound_capt = "Primary"
name_of_sound_play = "Primary"
else:
name_of_sound_capt = "hw:0"
name_of_sound_play = name_of_sound_capt
```
>
> Another Hint: Several People had problems if they
> connect the HiQSDR directly via a cross-cable to a PC!
> 100MBit connections via Cross-Cables without switches in between
> are mostly not stable!
> Try connection via a switch (and a straight cable) please!
>
> maybe that helps a little bit ;-)
>
> 73!
> Helmut, DB1CC
>
Thanks I'll dig out a 10/100 switch and connect it to a USB ethernet dongle.

73 ... Sid.

>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

210. Re: [n2adr-sdr] Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-14 21:19:11 UTC
From: Sid Boyce
Topic: 206 Message: 210
Attachments: 1 described; binary payloads are missing from this source WARC

```
I may have a routing problem
No RX packets.

eth3 Link encap:Ethernet HWaddr 00:60:70:01:3E:43
inet addr:192.168.2.196 Bcast:192.168.2.255 Mask:255.255.255.0
inet6 addr: fe80::260:70ff:fe01:3e43/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:0 errors:3 dropped:0 overruns:0 frame:6
TX packets:596 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 b) TX bytes:34443 (33.6 Kb)
tindog:/opt/quisk-3.5.4 # route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use
Iface
0.0.0.0 192.168.10.103 0.0.0.0 UG 0 0 0 br0
127.0.0.0 0.0.0.0 255.0.0.0 U 0 0 0 lo
169.254.0.0 0.0.0.0 255.255.0.0 U 0 0 0
wlan0
192.168.1.0 0.0.0.0 255.255.255.0 U 0 0 0
wlan0
192.168.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth3
192.168.10.0 0.0.0.0 255.255.255.0 U 0 0 0 br0
-------------------------------------------------------------------------------------------
--
I now have it on a separate network switch.
tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24

Starting Nmap 5.21 ( http://nmap.org ) at 2011-07-14 21:16 BST
Nmap scan report for 192.168.2.196
Host is up (0.000069s latency).
Not shown: 995 closed ports
PORT STATE SERVICE VERSION
22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
| ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8 (DSA)
|_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
| robots.txt: has 1 disallowed entry
|_/
|_html-title: Site doesn't have a title (text/html).
|_http-favicon: Apache on Linux
111/tcp open rpcbind
| rpcinfo:
| 100000 2,3,4 111/udp rpcbind
```

|_100000 2,3,4 111/tcp rpcbind
5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP
port 5901)
5901/tcp open vnc VNC (protocol 3.7)
Device type: general purpose
Running: Linux 2.6.X
OS details: Linux 2.6.15 - 2.6.30
Network Distance: 0 hops

OS and Service detection performed. Please report any incorrect results
at http://nmap.org/submit/ .
Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds

Installed python-serial so that report is gone.
Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't recognised.
Still no change - no sound, no waterfall and screen is static as shown
in the snapshot.
73 ... Sid.

On 14/07/11 19:26, Helmut Goebkes wrote:
>
> Hi Sid,
>
> i am not a Linux specialist, but the HiQSDR
> is originally programmed in the FPGA
> to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> Do you reprogrammed the FPGA to the new IP?
>
> I see that no output sound name is defined.
> The CD contains a config_py for Windows and Linux that
> works fine for me and this can be the basic for your tests.
> Shure, you have to adapt you soundcard
> names for your computer.
>
> Another Hint: Several People had problems if they
> connect the HiQSDR directly via a cross-cable to a PC!
> 100MBit connections via Cross-Cables without switches in between
> are mostly not stable!
> Try connection via a switch (and a straight cable) please!
>
> maybe that helps a little bit ;-)
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

* German - detected
* English

* English

<javascript:void(0);>
auto-copied

211. Re: Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-15 05:49:00 UTC
From: Mario
Topic: 206 Message: 211

If i am right then the IP of the frontend is 192.168.2.196. So you need to use another IP, right ?

Then you should be able to ping the frontend.

If there is no communication with the frontend then you will not see any signals within quisk.
Just observe the LEDs of your network interface. You should see much traffic if the interface is initialized in the correct way.

If that works and you still get no audio: Is there still this error message about missing Jack server ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I may have a routing problem
> No RX packets.
>
> eth3 Link encap:Ethernet HWaddr 00:60:70:01:3E:43
> inet addr:192.168.2.196 Bcast:192.168.2.255 Mask:255.255.255.0
> inet6 addr: fe80::260:70ff:fe01:3e43/64 Scope:Link
> UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
> RX packets:0 errors:3 dropped:0 overruns:0 frame:6
> TX packets:596 errors:0 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:1000
> RX bytes:0 (0.0 b) TX bytes:34443 (33.6 Kb)
> tindog:/opt/quisk-3.5.4 # route -n
> Kernel IP routing table
> Destination Gateway Genmask Flags Metric Ref Use
> Iface
> 0.0.0.0 192.168.10.103 0.0.0.0 UG 0 0 0 br0
> 127.0.0.0 0.0.0.0 255.0.0.0 U 0 0 0 lo
> 169.254.0.0 0.0.0.0 255.255.0.0 U 0 0 0
> wlan0
> 192.168.1.0 0.0.0.0 255.255.255.0 U 0 0 0
> wlan0
> 192.168.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth3
> 192.168.10.0 0.0.0.0 255.255.255.0 U 0 0 0 br0
> ----------

> I now have it on a separate network switch.
> tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24
>

> Starting Nmap 5.21 (http://nmap.org) at 2011-07-14 21:16 BST
> Nmap scan report for 192.168.2.196
> Host is up (0.000069s latency).
> Not shown: 995 closed ports
> PORT STATE SERVICE VERSION
> 22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
> | ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8 (DSA)
> |_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
> 80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
> | robots.txt: has 1 disallowed entry
> |_/
> |_html-title: Site doesn't have a title (text/html).
> |_http-favicon: Apache on Linux
> 111/tcp open rpcbind
> | rpcinfo:
> | 100000 2,3,4 111/udp rpcbind
> |_100000 2,3,4 111/tcp rpcbind
> 5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP
> port 5901)
> 5901/tcp open vnc VNC (protocol 3.7)
> Device type: general purpose
> Running: Linux 2.6.X
> OS details: Linux 2.6.15 - 2.6.30
> Network Distance: 0 hops
>
> OS and Service detection performed. Please report any incorrect results
> at http://nmap.org/submit/ .
> Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds
>
>
> Installed python-serial so that report is gone.
> Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
> changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't recognised.
> Still no change - no sound, no waterfall and screen is static as shown
> in the snapshot.
> 73 ... Sid.
>
> On 14/07/11 19:26, Helmut Goebkes wrote:
> >
> > Hi Sid,
> >
> > i am not a Linux specialist, but the HiQSDR
> > is originally programmed in the FPGA
> > to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> > Do you reprogrammed the FPGA to the new IP?
> >
> > I see that no output sound name is defined.
> > The CD contains a config_py for Windows and Linux that
> > works fine for me and this can be the basic for your tests.
> > Shure, you have to adapt you soundcard

> > names for your computer.
> >
> > Another Hint: Several People had problems if they
> > connect the HiQSDR directly via a cross-cable to a PC!
> > 100MBit connections via Cross-Cables without switches in between
> > are mostly not stable!
> > Try connection via a switch (and a straight cable) please!
> >
> > maybe that helps a little bit ;-)
> >
> > 73!
> > Helmut, DB1CC
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> * German - detected
> * English
>
> * English
>
> <javascript:void(0);>
> auto-copied
>

212. Quisk / Network

Yahoo group: n2adr-sdr
Date: 2011-07-15 05:53:35 UTC
From: Helmut Goebkes
Topic: 212 Message: 212

Hi Sid,

sorry if i forgot to program to a specific IP!
As standard, 192.168.2.196 is programmed into HiQSDR
becaus this is the default address Jim used for Quisk/N2ADR-SDR
For most users this is practicable.

I got also strange results as long i tried a direct connection via crossed cables and used a older Netbook. My new netbook canoperated straight/crossed cables without problems. Best is Ping'ing the IP
to see if there is any response @ that address.
But i am shure, you are the better network expert then i..

the I/Q Signals are only transferres via the network and processed by
QUISK to get the demodulated audo signal. The soundcard (as far as i know) does not process the I/Q but is used only to play audio and pikup microphone signals.if you use one or two different doesn´t matter i think.

73!
Helmut, DB1CC

ps: a USB to Ethernet converter may fail because USB didnt transfer the UDP different. The only way to transfer UDP via USB is in isochronous mode which may fail with quisk, but try it!

213. Re: Quisk / Network

Yahoo group: n2adr-sdr
Date: 2011-07-15 06:25:31 UTC
From: Mario
Topic: 212 Message: 213

Hey Sid,

if the UDP via the USB converter is a problem then probably there is another solution.
Are you familiar with alias IP addresses ?
If your network card is eth0 you may type:
ifconfig eth0:1 192.168.2.200
This should add a net with mask 255.255.255.0 to the eth0 card.
For the switch this should not matter.
Then your PC should be able to ping the frontend.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Sid,
>
> sorry if i forgot to program to a specific IP!
> As standard, 192.168.2.196 is programmed into HiQSDR
> becaus this is the default address Jim used for Quisk/N2ADR-SDR
> For most users this is practicable.
>
> I got also strange results as long i tried a direct connection via crossed cables and used a older Netbook. My new netbook canoperated straight/crossed cables without problems. Best is Ping'ing the IP
> to see if there is any response @ that address.
> But i am shure, you are the better network expert then i..
>
> the I/Q Signals are only transferres via the network and processed by
> QUISK to get the demodulated audo signal. The soundcard (as far as i know) does not process the I/Q but is used only to play audio and pikup microphone signals.if you use one or two different doesn´t matter i think.
>
> 73!
> Helmut, DB1CC
>
> ps: a USB to Ethernet converter may fail because USB didnt transfer the UDP different. The only way to transfer UDP via USB is in isochronous mode which may fail with quisk, but try it!
>

214. Re: [n2adr-sdr] Re: Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-15 14:45:46 UTC
From: Sid Boyce
Topic: 206 Message: 214

Right before my eyes.
192.168.2.192 the USB ethernet IP address
192.168.2.196 HiQSDR
When I get back in this evening I shall make an antenna connection to
the RX port.
~-116dBm with no signal.
73 ... Sid.

On 15/07/11 06:49, Mario wrote:
>
> If i am right then the IP of the frontend is 192.168.2.196. So you
> need to use another IP, right ?
>
> Then you should be able to ping the frontend.
>
> If there is no communication with the frontend then you will not see
> any signals within quisk.
> Just observe the LEDs of your network interface. You should see much
> traffic if the interface is initialized in the correct way.
>
> If that works and you still get no audio: Is there still this error
> message about missing Jack server ?
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I may have a routing problem
> > No RX packets.
> >
> > eth3 Link encap:Ethernet HWaddr 00:60:70:01:3E:43
> > inet addr:192.168.2.196 Bcast:192.168.2.255 Mask:255.255.255.0
> > inet6 addr: fe80::260:70ff:fe01:3e43/64 Scope:Link
> > UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
> > RX packets:0 errors:3 dropped:0 overruns:0 frame:6
> > TX packets:596 errors:0 dropped:0 overruns:0 carrier:0
> > collisions:0 txqueuelen:1000
> > RX bytes:0 (0.0 b) TX bytes:34443 (33.6 Kb)
> > tindog:/opt/quisk-3.5.4 # route -n
> > Kernel IP routing table
> > Destination Gateway Genmask Flags Metric Ref Use
> > Iface
> > 0.0.0.0 192.168.10.103 0.0.0.0 UG 0 0 0 br0

> > 127.0.0.0 0.0.0.0 255.0.0.0 U 0 0 0 lo
> > 169.254.0.0 0.0.0.0 255.255.0.0 U 0 0 0
> > wlan0
> > 192.168.1.0 0.0.0.0 255.255.255.0 U 0 0 0
> > wlan0
> > 192.168.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth3
> > 192.168.10.0 0.0.0.0 255.255.255.0 U 0 0 0 br0
> > ----------
> > I now have it on a separate network switch.
> > tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24
> >
> > Starting Nmap 5.21 (http://nmap.org) at 2011-07-14 21:16 BST
> > Nmap scan report for 192.168.2.196
> > Host is up (0.000069s latency).
> > Not shown: 995 closed ports
> > PORT STATE SERVICE VERSION
> > 22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
> > | ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8
> (DSA)
> > |_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
> > 80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
> > | robots.txt: has 1 disallowed entry
> > |_/
> > |_html-title: Site doesn't have a title (text/html).
> > |_http-favicon: Apache on Linux
> > 111/tcp open rpcbind
> > | rpcinfo:
> > | 100000 2,3,4 111/udp rpcbind
> > |_100000 2,3,4 111/tcp rpcbind
> > 5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP
> > port 5901)
> > 5901/tcp open vnc VNC (protocol 3.7)
> > Device type: general purpose
> > Running: Linux 2.6.X
> > OS details: Linux 2.6.15 - 2.6.30
> > Network Distance: 0 hops
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> > OS and Service detection performed. Please report any incorrect results
> > at http://nmap.org/submit/ .
> > Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds
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> >
> > Installed python-serial so that report is gone.
> > Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
> > changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't
> recognised.
> > Still no change - no sound, no waterfall and screen is static as shown
> > in the snapshot.
> > 73 ... Sid.
> >

> > On 14/07/11 19:26, Helmut Goebkes wrote:
> > >
> > > Hi Sid,
> > >
> > > i am not a Linux specialist, but the HiQSDR
> > > is originally programmed in the FPGA
> > > to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> > > Do you reprogrammed the FPGA to the new IP?
> > >
> > > I see that no output sound name is defined.
> > > The CD contains a config_py for Windows and Linux that
> > > works fine for me and this can be the basic for your tests.
> > > Shure, you have to adapt you soundcard
> > > names for your computer.
> > >
> > > Another Hint: Several People had problems if they
> > > connect the HiQSDR directly via a cross-cable to a PC!
> > > 100MBit connections via Cross-Cables without switches in between
> > > are mostly not stable!
> > > Try connection via a switch (and a straight cable) please!
> > >
> > > maybe that helps a little bit ;-)
> > >
> > > 73!
> > > Helmut, DB1CC
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
> > * German - detected
> > * English
> >
> > * English
> >
> > <javascript:void(0);>
> > auto-copied
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach

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215. Re: [n2adr-sdr] Re: Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-15 22:55:53 UTC
From: Kaj Wiik
Topic: 206 Message: 215

2011/7/15 Sid Boyce <g3vbv@...>

> Right before my eyes.
> 192.168.2.192 the USB ethernet IP address
> 192.168.2.196 HiQSDR
> When I get back in this evening I shall make an antenna connection to the RX port.
> ~-116dBm with no signal.

Wow, congrats!! It's good to know USB eth works also. Do you use a
switch or crossover cable?

Kaj OH6EH

216. Re: [n2adr-sdr] Re: Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-15 23:27:06 UTC
From: Sid Boyce
Topic: 206 Message: 216

I'm using a 5-port gigabit switch.
I won't be able to make up an antenna lead this evening, my right hand from the wrist to the palm is giving me jip, don't know how I hurt it.
I'm hoping 2 pain killers, some muscle rub and sleep will help.
This may be evolution in action, a human whose right hand is only capable of operating a mouse.
73 ... Sid.

On 15/07/11 23:55, Kaj Wiik wrote:
>
> 2011/7/15 Sid Boyce <g3vbv@...
> <mailto:g3vbv%40blueyonder.co.uk>>
>
> > Right before my eyes.
> > 192.168.2.192 the USB ethernet IP address
> > 192.168.2.196 HiQSDR
> > When I get back in this evening I shall make an antenna connection
> to the RX port.
> > ~-116dBm with no signal.
>
> Wow, congrats!! It's good to know USB eth works also. Do you use a
> switch or crossover cable?
>
> Kaj OH6EH
>
>

--
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Senior Staff Specialist, Cricket Coach
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217. HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-16 12:59:23 UTC
From: Sid Boyce
Topic: 217 Message: 217

I had to use a USB ethernet adapter for the 192.168.2 subnet.
From lusub.
Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
It uses the pegasus driver.
tindog:~ # lsmod|grep pegasus
pegasus 23480 0
mii 13981 2 pegasus,r8169
usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd

OS is openSUSE 11.4 Milestone 3 with my vanilla kernel 3.0.0-rc7-smp.

I have my 2-el Quad fed into Bu1, no filters.
Listening on 20m is clean and I've never seen such a clean graph output
on any of the Softrock gear- No spurs.

quisk-3.5.4, sample_rate = 192000.

Next steps, some BPF's and RX/TX switching. I already have a 5W FET PA
from a project of over 20 years ago + LPF's and 140W/300W PA's for later.
Very impressive indeed.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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218. Re: [n2adr-sdr] HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-16 13:33:42 UTC
From: dan edwards
Topic: 217 Message: 218

man, i'm drooling now....guess i'll have to figure out what all that other
stuff means........" no spurrs..." !!!!!!!!!
hip hip, HOORAY for Sid !!
73, w5xz, dan

--- On Sat, 7/16/11, Sid Boyce <g3vbv@...> wrote:

From: Sid Boyce <g3vbv@...>
Subject: [n2adr-sdr] HiQSDR so far great
To: n2adr-sdr@yahoogroups.com
Cc: "sstvqld" <colin.cortina@gmail.com>
Date: Saturday, July 16, 2011, 12:59 PM

I had to use a USB ethernet adapter for the 192.168.2 subnet.

From lusub.

Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet

It uses the pegasus driver.

tindog:~ # lsmod|grep pegasus

pegasus 23480 0

mii 13981 2 pegasus,r8169

usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd

OS is openSUSE 11.4 Milestone 3 with my vanilla kernel 3.0.0-rc7-smp.

I have my 2-el Quad fed into Bu1, no filters.

Listening on 20m is clean and I've never seen such a clean graph output

on any of the Softrock gear- No spurs.

quisk-3.5.4, sample_rate = 192000.

Next steps, some BPF's and RX/TX switching. I already have a 5W FET PA

from a project of over 20 years ago + LPF's and 140W/300W PA's for later.

Very impressive indeed.

73 ... Sid.

--

Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach

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219. Re: [n2adr-sdr] HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-16 14:38:23 UTC
From: Sid Boyce
Topic: 217 Message: 219

When you check on a softrock you can see spikes with no antenna
connected, clean on the HiQSDR.
I am powering it off a LM317T powered from a 13.8V P.S, +6V to the
HiQSDR, the heatsink is 3 sheets of 6" x 2.5" 18 gauge aluminium bolted
together and U shaped, it gets very warm. I shall put together another
one with a better heat sink.
It's certainly fun.
73 ... Sid.

On 16/07/11 14:33, dan edwards wrote:
>
> man, i'm drooling now....guess i'll have to figure out what all that
> other stuff
> means........" no spurrs..." !!!!!!!!!
>
> hip hip, HOORAY for Sid !!
>
> 73, w5xz, dan
>
>
> --- On *Sat, 7/16/11, Sid Boyce /<g3vbv@...>/* wrote:
>
>
> From: Sid Boyce <g3vbv@...>
> Subject: [n2adr-sdr] HiQSDR so far great
> To: n2adr-sdr@yahoogroups.com
> Cc: "sstvqld" <colin.cortina@...>
> Date: Saturday, July 16, 2011, 12:59 PM
>
> I had to use a USB ethernet adapter for the 192.168.2 subnet.
> From lusub.
> Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
> It uses the pegasus driver.
> tindog:~ # lsmod|grep pegasus
> pegasus 23480 0
> mii 13981 2 pegasus,r8169
> usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd
>
> OS is openSUSE 11.4 Milestone 3 with my vanilla kernel 3.0.0-rc7-smp.
>
> I have my 2-el Quad fed into Bu1, no filters.
> Listening on 20m is clean and I've never seen such a clean graph
> output
> on any of the Softrock gear- No spurs.
>

> quisk-3.5.4, sample_rate = 192000.
>
> Next steps, some BPF's and RX/TX switching. I already have a 5W
> FET PA
> from a project of over 20 years ago + LPF's and 140W/300W PA's for
> later.
> Very impressive indeed.
> 73 ... Sid.
> --
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>
>

--
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220. Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-16 18:41:48 UTC
From: wb4jfi
Topic: 217 Message: 220

Hey Sid, congrats on getting it all working!

Yes on the spurs, etc. That's why I kind of gave up on the SoftRocks and other QSD/QSE radios as serious rigs a year or so back. In addition to spurs, you have to balance the sound card (diff phase & gain), etc. Transmit with QSEs can be rather dirty as well, unless properly set up.

I guess that I need to order one of these boards soon. I've been playing with my own stuff, and the Charleston SDR receiver, but the N2ADR design makes a complete xcvr on a board.

Now, if only the cost could come down a little more....
congrats & 73s
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I had to use a USB ethernet adapter for the 192.168.2 subnet.
> From lusub.
> Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
> It uses the pegasus driver.
> tindog:~ # lsmod|grep pegasus
> pegasus 23480 0
> mii 13981 2 pegasus,r8169
> usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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221. Re: [n2adr-sdr] Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 04:57:11 UTC
From: Rob Frohne
Topic: 217 Message: 221
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Terry,

By using samples and substituting parts it looks like I should be able
to get the cost down to somewhere between $100 and $200. I'm slowly
working on rolling my own board. The going is slow because of other
commitments, bit progress is being made. Low cost and options to
experiment with are my priorities.

73,

Rob
KL7NA

On 07/16/2011 11:41 AM, wb4jfi wrote:
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>
> Yes on the spurs, etc. That's why I kind of gave up on the SoftRocks
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> addition to spurs, you have to balance the sound card (diff phase &
> gain), etc. Transmit with QSEs can be rather dirty as well, unless
> properly set up.
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> I guess that I need to order one of these boards soon. I've been
> playing with my own stuff, and the Charleston SDR receiver, but the
> N2ADR design makes a complete xcvr on a board.
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> Now, if only the cost could come down a little more....
> congrats & 73s
> Terry, WB4JFI
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
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> > From lusub.
> > Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
> > It uses the pegasus driver.
> > tindog:~ # lsmod|grep pegasus
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Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

222. Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 05:16:48 UTC
From: wb4jfi
Topic: 217 Message: 222

Hey Rob, thanks for working on this. I've been playing with this stuff as well, although I'm not as far along. I've been playing with Xilinx Spartan 3E FPGAs instead of Altera, as a legacy from a simpler SDR designed here in Charleston a couple of years ago (based on the AFEDRI8201).

I really like James' designs, and I use Quisk all the time here.

I have an exciter I designed, also based on the AD9744, that plugged into two Digilent Nexys2 PMOD jacks, and I've used it to learn more about FPGAs. I just this weekend added amplitude control of the RF output by using a PWM generator inside the FPGA, then LPF - similar to the openHPSDR Hermes. That reduced the need for the AD7801 8-bit D/A feeding the AD9744 REFIO input. But, it is more difficult to get the analog filtering correct to both eliminate noise/hash from the PWM, while allowing updates fast enough to be able to tailor CW on/off to reduce key clicks. Using a 50MHz clock for the PWM, and eight bits, I can update the PWM outut every 5usec, which should be fast enough. This may be a waste of time, but again, more FPGA learning!

Anyway, I am looking forward to your work. I tend not to get samples anymore, as I am retired, and do this just for fun. That increases my costs, however.

I'm not sure how much I can help, but I am willing to do so as I can.
73s
Terry, WB4JFI

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223. Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 16:28:38 UTC
From: Helmut Goebkes
Topic: 217 Message: 223

Hi Rob,

you can make a N2ADR SDR not for 100-200$. Alone the Board, FPGA
and ADC cost are in this range, not speaking of all the other small things. A simple look into the distributors pricelist makes this clear.
Even if you try to hold the quality level high and make no compromise.
Shure, you can get (as example) low cost voltage regulators for 0.50$ instead of $4.50 for a good one - but what price do you pay on the result? There is a reason that a good regulator is not in the <1$ range.

Also, to operate with free samples is not usable for most of the users here - these free samples are payed by all other users - dont you think so? Samples are for development purposes, not to give you a "free of charge" hobby.

SILAB give no free sample anymore - why? hundreds to thousends requests from Hams for free samples of SI570.
Who is paying for that? The serious developers - and last but not least the users itself.

73
Helmut, DB1CC

224. Re: [n2adr-sdr] Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 18:01:04 UTC
From: Rob Frohne
Topic: 217 Message: 224
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Helmut,

Yes, without free samples, the cost is a lot more, but Terry is a developer and still in the development stages. When a company gets to the production stage as you may be, then parts manufacturers don't give out free samples. It is a trade off when a company like Silabs gives out samples. They gave hams thousands of samples, but they are now have the number one oscillator in ham homebrew projects, and some of those hams are engineers that have likely purchased big quantities of oscillators for other projects because they liked the samples. They don't need the publicity anymore, so no more free samples.

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Rob

On 07/17/2011 09:28 AM, Helmut Goebkes wrote:
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225. Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 19:19:30 UTC
From: Mario
Topic: 217 Message: 225

Hi Rob,

i do not think that this was the reason stopping samples of the SI-570. I assume it was really the necessary effort to handle all the requests and ship the samples.
Also other vendors stop sampling from time to time when the numbers are getting too high.
I agree with Helmut that a project should not rely on the availability of free samples. For prototypes it can be a viable way.

If it is necessary to get the cost of the frontend down than we should think about which parameters can be relaxed.
Using cheaper regulators may cause the noise to come up. There some investigations may help. Using AD converters which are cheaper ? Probably. For the US hams its certainly a good choice to buy the parts directly in the US and assemble them there. Are PCBs cheaper in the US than in Europe ? I think similar.
You may also save some Euro buying parts in China but then you have the risk just to get samples without function.

In the end its all about finding the correct balance between price and performance.
Cheapest solution is probably something like the guys from the FiFi-SDR project did. High end TRX might be the HPSDR project or the USRP were the prices are much higher than for the N2ADR hardware.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Rob Frohne <rob.frohne@...> wrote:
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226. Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-17 20:25:03 UTC
From: wb4jfi
Topic: 217 Message: 226

Hello Helmut and Rob.
Sorry to ignite this discussion. After thinking about it, I don't have an issue with obtaining a sample TI A/D, especially if I design my own board. I already have one of the LTC2208 chips, and actually bought the LTC LTC2208 development board($$$). I am considering the Linear Technology family, the Analog Devices family, and the TI family of A/D parts for the Rx front-end. The big issue is cost to reproduce, not my one-of cost. They are ALL expensive. The TX side is petty easy, I've played with the AD9744 for a few years now.

I also want to use ethernet instead of USB. I've been looking at the Wiznet e'net chips (Wiz5300), as they do the complete TCP/UDP/IP stack in the chip, freeing up FPGA resources. Only 10/100bt, but most FPGA e'net code doesn't do gig-e anyway.

The Charleston SDR was based on the TI AFEDRI8201, which had the whole DDC in a single chip, and at one time cost only $25. The Nexys2 FPGA board only had FIFO and some minor buffering. The limitations were 80MHz max sample rate, and 12-bit A/D. The 8201 is being discontinued (I believe), and the cost is zooming up. The replacement (AFE8220) costs about $55, and that got me thinking about using the more traditional A/D & FPGA DDC design, for not too many more dollars/euros. How necessary is 6 Meter support???

I have the idea that I want a board that will support not only an external host computer (such as current DDCs out there), but will also support stand-alone operation (no PC). In that configuration, the FPGA (plus a dsPIC?) would calculate the FFT values and send them back to the FPGA for display processing on either a standard VGA monitor, or color TFT, similar to the Pic-A-Star group. I have the display FPGA code basicaly working for both those scenarios. FFTs take up a LOT of FPGA fabric!

Then, a second dsPIC would be used (along with a second, narrower DDC inside the FPGA) to filter and demodulate the "signal of interest". The SDR2GO is a dsPIC hardware platform to possibly do this (bypassing their A/D). There would be two modes of operation: 1) the FFT display tracks the narrower demod window, keeping the demod signal in the center of the display; 2) the FFT display stays constant, and the demod window moves within that display, with the ability to move the FFT window as necessary. Very similar to the two display options in Quisk. I have used (and needed) both of these!

I'm tempted to get one of these N2ADR SDRs, and try to implement these ideas with that hardware, but I'm not as familiar with the Altera FPGAs and development tools as I am with Xilinx, plus it would take some cutting to get the necessary number of FPGA pins. To make sure there is NO misunderstanding, I am a total neophyte in ALL this FPGA stuff.

So, sorry to waste some bandwidth here, but I think the N2ADR hardware is presently the closest platform to what I want/need, without rolling my own. I like Quisk, and I like James' xcvr design. I am stuck on the fence right now which way to go...develoment costs are high either way!
73s & tnx for listening.
Terry, WB4JFI

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227. Re: [n2adr-sdr] Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-18 00:59:29 UTC
From: dan edwards
Topic: 217 Message: 227

terry:

" you da man ", bubba...keep up the good work..

ultimately, somebody is going to have to dumb it down for most of us...all veryexciting stuff, however...

73, w5xz, dan

--- On Sun, 7/17/11, wb4jfi <wb4jfi@...t> wrote:

From: wb4jfi <wb4jfi@...>
Subject: [n2adr-sdr] Re: HiQSDR so far great
To: n2adr-sdr@yahoogroups.com
Date: Sunday, July 17, 2011, 8:25 PM

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228. Re: [n2adr-sdr] Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-18 01:13:16 UTC
From: Marciniak, Ed
Topic: 217 Message: 228

If you want to grumble about fpga and adc cost, price out an fpga with an x1 PCI-e interface and a couple spare serial I/O interfaces that can run JESD204.

From: dan edwards [mailto:w5xz@att.net]
Sent: Sunday, July 17, 2011 07:59 PM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: HiQSDR so far great

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Date: Sunday, July 17, 2011, 8:25 PM

Hello Helmut and Rob.
Sorry to ignite this discussion. After thinking about it, I don't have an issue with obtaining a sample TI A/D, especially if I design my own board. I already have one of the LTC2208 chips, and actually bought the LTC LTC2208 development board($$$). I am considering the Linear Technology family, the Analog Devices family, and the TI family of A/D parts for the Rx front-end. The big issue is cost to reproduce, not my one-of cost. They are ALL expensive. The TX side is petty easy, I've played with the AD9744 for a few years now.

I also want to use ethernet instead of USB. I've been looking at the Wiznet e'net chips (Wiz5300), as they do the complete TCP/UDP/IP stack in the chip, freeing up FPGA resources. Only 10/100bt, but most FPGA e'net code doesn't do gig-e anyway.

The Charleston SDR was based on the TI AFEDRI8201, which had the whole DDC in a single chip, and at one time cost only $25. The Nexys2 FPGA board only had FIFO and some minor buffering. The limitations were 80MHz max sample rate, and 12-bit A/D. The 8201 is being discontinued (I believe), and the cost is zooming up. The replacement (AFE8220) costs about $55, and that got me thinking about using the more traditional A/D & FPGA DDC design, for not too many more dollars/euros. How necessary is 6 Meter support???

I have the idea that I want a board that will support not only an external host computer (such as current DDCs out there), but will also support stand-alone operation (no PC). In that configuration, the FPGA (plus a dsPIC?) would calculate the FFT values and send them back to the FPGA for display processing on either a standard VGA monitor, or color TFT, similar to the Pic-A-Star group. I have the display FPGA code basicaly working for both

those scenarios. FFTs take up a LOT of FPGA fabric!

Then, a second dsPIC would be used (along with a second, narrower DDC inside the FPGA) to filter and demodulate the "signal of interest". The SDR2GO is a dsPIC hardware platform to possibly do this (bypassing their A/D). There would be two modes of operation: 1) the FFT display tracks the narrower demod window, keeping the demod signal in the center of the display; 2) the FFT display stays constant, and the demod window moves within that display, with the ability to move the FFT window as necessary. Very similar to the two display options in Quisk. I have used (and needed) both of these!

I'm tempted to get one of these N2ADR SDRs, and try to implement these ideas with that hardware, but I'm not as familiar with the Altera FPGAs and development tools as I am with Xilinx, plus it would take some cutting to get the necessary number of FPGA pins. To make sure there is NO misunderstanding, I am a total neophyte in ALL this FPGA stuff.

So, sorry to waste some bandwidth here, but I think the N2ADR hardware is presently the closest platform to what I want/need, without rolling my own. I like Quisk, and I like James' xcvr design. I am stuck on the fence right now which way to go...develoment costs are high either way!
73s & tnx for listening.
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com</mc/compose?to=n2adr-sdr%40yahoogroups.com>, Rob Frohne <rob.frohne@...> wrote:
>
> Hi Helmut,
>
> Yes, without free samples, the cost is a lot more, but Terry is a
> developer and still in the development stages. When a company gets to
> the production stage as you may be, then parts manufacturers don't give
> out free samples. It is a trade off when a company like Silabs gives
> out samples. They gave hams thousands of samples, but they are now have
> the number one oscillator in ham homebrew projects, and some of those
> hams are engineers that have likely purchased big quantities of
> oscillators for other projects because they liked the samples. They
> don't need the publicity anymore, so no more free samples.
>
> 73,
>
> Rob
>
>
>
>
> On 07/17/2011 09:28 AM, Helmut Goebkes wrote:
> >
> > Hi Rob,
> >
> > you can make a N2ADR SDR not for 100-200$. Alone the Board, FPGA
> > and ADC cost are in this range, not speaking of all the other small
> > things. A simple look into the distributors pricelist makes this clear.
> > Even if you try to hold the quality level high and make no compromise.

> > Shure, you can get (as example) low cost voltage regulators for 0.50$
> > instead of $4.50 for a good one - but what price do you pay on the
> > result? There is a reason that a good regulator is not in the <1$ range.
> >
> > Also, to operate with free samples is not usable for most of the users
> > here - these free samples are payed by all other users - dont you
> > think so? Samples are for development purposes, not to give you a
> > "free of charge" hobby.
> >
> > SILAB give no free sample anymore - why? hundreds to thousends
> > requests from Hams for free samples of SI570.
> > Who is paying for that? The serious developers - and last but not
> > least the users itself.
> >
> > 73
> > Helmut, DB1CC
> >
> >
>
> --
> Rob Frohne, Ph.D., P.E.
> E.F. Cross School of Engineering
> Walla Walla University
> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
>

229. Re: Samples & such stuff

Yahoo group: n2adr-sdr
Date: 2011-07-18 06:10:41 UTC
From: Helmut Goebkes
Topic: 217 Message: 229

Hi Terry,

no prob, its very interesting to get a deeper look on your ideas!

I use samples too, but only for development. Most peoples spend not a second for thinking whats happend with the prototypes. Prototyping a design up to a level that it can manufactured and safely reproduced and delivered costs a lot of money & effort. This is quite different to a single proof-of-concept prototype, where you can route dozens of wires, hookups, dead-bug-workarounds and so on...
My goal is to complete the really good ideas and design of Jim to a complete,full usable and reproducable(!) DDC/DUC with all parts that are neededed to be a fine amateur radio TRX

Shure, my target is that (in later days) no pc is needed @ HiQSDR, but i have to do the frontend work first.
Its very interesting, to discuss the ideas and we all can learn from each other!
Specialists like you makes the things going on!
The discussions are the best way to do this!

btw: Ranges. shure, 50Mhz and the LF ranges are not used very often.
But i think that a good amateur transceiver should cover these ranges
if possible. If we do not make transceivers wich covers seldom used ranges, these frequencies will used for other services and are lost to amateurs. No one is buying a separate 50MHz transceiver to be on air.

Best whises for your developments!
Keep us informed!

Helmut, DB1CC

230. Re: [n2adr-sdr] Board Arrived

Yahoo group: n2adr-sdr
Date: 2011-07-12 09:53:27 UTC
From: dan edwards
Topic: 184 Message: 230

kaj

i think ken means a 'not so experimental, ready for the low tech masses' assembled, tested, and programmed board. those of us who like SDR but are ready to graduate from QSD / QSE rigs....like ME, hi !

73, w5xz, dan

--- On Tue, 7/12/11, Kaj Wiik <kaj.wiik@...> wrote:

From: Kaj Wiik <kaj.wiik@...>
Subject: Re: [n2adr-sdr] Board Arrived
To: n2adr-sdr@yahoogroups.com
Date: Tuesday, July 12, 2011, 6:43 AM

2011/7/12 Ken N9VV <n9vv@wowway.com>

> turn out to be *THE FIRST* real DDC/DUC Transceiver.

I thought N2ADR transceiver described in the QEX was prior art (HiQSDR

just fine-tuning the layout) and even that was not the first... Maybe

your definition of 'real' is different from mine..

Cheers,

Kaj OH6EH

231. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-13 12:08:02 UTC
From: Sid Boyce
Topic: 191 Message: 231

I was a little puzzled by seeing +6V input on the circuit diagram but
wondered why not a +13.8V supply.
Any worries about the extra voltage drop across the +5V regulator?
73 ... Sid.

On 13/07/11 06:48, Mario wrote:
>
> I have just some old data, hopefully correctly written down to the
> piece of paper i found.
> It was taken with the DL7LA/DL7IY PCB without programming of the
> config flash.
> - 12V input
> = switched regulator P3596 L-5.0 5.0V
> o linear regulator LT1085 3.3V
> o LT1085 2.5V
> o linear regulator (i do not remember the type) 1.2V
> = lin reg 5V for preamp
> = lin reg 3.3V for AD/DA
> = lin reg 7.5V for TX MMIC
>
> sequentially putting all the stuff to power (at 12V input):
> - only regulator and LEDs of power supply: 76mA
> - adding 3.3V and 1.2V of FPGA: 246mA
> - adding 2.5V of FPGA: 285mA
> - adding 3.3V analog voltage: 347mA
> - adding 5V analog voltage: 378mA
> - supply also the TCXO to power (disconnected before): 550mA
>
> With configured FPGA i see around 800-900mA at 12V with this
> configuration depending on the data transferred via Ethernet.
>
> Hope this data helps.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Rob Frohne <rob.frohne@...> wrote:
> >
> > I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with
> > I/O accounting for about 1/4 watt. I'm still interested in any
> > experimental data though.
> >
> > 73,
> >

> > Rob
> > KL7NA
> >
> > On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
> > >
> > > Couldn't one make certain assumptions in trying to estimate?
> > > (Yes I realize that's not the question asked)
> > >
> > > One bit (sign) will flip in a roughly predictable fashion in a
> > > function related to frequency of strongest signal provided it it
> least
> > > 6 db greater power with a signal. If no signal, it might toggle
> 50% of
> > > the time along with several LSBs.
> > >
> > > The bits in between will have some relationship to the received power.
> > >
> > > Multiplier inputs that are zero will produce some partial products
> > > that are zero.
> > >
> > >
> > >
> > > *From*: Rob Frohne [mailto:rob.frohne@...]
> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
> > > *To*: n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>>
> > > *Subject*: [n2adr-sdr] Power Requirements?
> > >
> > > Hi,
> > >
> > > I'm finally getting a few minutes to work on this again. And as I work
> > > on adding up all the powers used by everything, I finally got to the
> > > FPGA. Quartus has some power analysis built in, but setting up the
> > > inputs realistically for a good simulation isn't quick and easy (at
> > > least for this novice). Has anyone made experimental measurements
> other
> > > than Helmut's before he programmed the FPGA?
> > >
> > > 73,
> > >
> > > Rob
> > >
> > > --
> > > Rob Frohne, Ph.D., P.E.
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232. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-19 11:58:36 UTC
From: Sid Boyce
Topic: 191 Message: 232

An old message that somehow got stuck in the pipes.
73 ... Sid.

On 13/07/11 13:08, Sid Boyce wrote:
>
> I was a little puzzled by seeing +6V input on the circuit diagram but
> wondered why not a +13.8V supply.
> Any worries about the extra voltage drop across the +5V regulator?
> 73 ... Sid.
>
> On 13/07/11 06:48, Mario wrote:
>
>> I have just some old data, hopefully correctly written down to the
>> piece of paper i found.
>> It was taken with the DL7LA/DL7IY PCB without programming of the
>> config flash.
>> - 12V input
>> = switched regulator P3596 L-5.0 5.0V
>> o linear regulator LT1085 3.3V
>> o LT1085 2.5V
>> o linear regulator (i do not remember the type) 1.2V
>> = lin reg 5V for preamp
>> = lin reg 3.3V for AD/DA
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>> - adding 5V analog voltage: 378mA
>> - supply also the TCXO to power (disconnected before): 550mA
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>> With configured FPGA i see around 800-900mA at 12V with this
>> configuration depending on the data transferred via Ethernet.
>>
>> Hope this data helps.
>>
>> regards
>> Mario
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, Rob Frohne <rob.frohne@...> wrote:
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>> > I put the I/O rate at 99% and I get 1.7 watts total for the FPGA, with

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>> > experimental data though.
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>> > 73,
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>> > > One bit (sign) will flip in a roughly predictable fashion in a
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>> > >
>> > >
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>> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
>> > > *To*: n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
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233. Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-19 17:56:46 UTC
From: Mario
Topic: 191 Message: 233

Hi Sid,

i would not recommend to do that because of the additional 6W
power that you have to bring away.
Allways depends on how much power you can get away via the flange of the regulator and the size of the cooler and the outer temperature as well. But remind that you have this loss all the time the supply is switched on and probably you want to use the frontend in the summertime in a warm room.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> An old message that somehow got stuck in the pipes.
> 73 ... Sid.
>
> On 13/07/11 13:08, Sid Boyce wrote:
> >
> > I was a little puzzled by seeing +6V input on the circuit diagram but
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> >>
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> >> > KL7NA
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> >> > > *To*: n2adr-sdr@yahoogroups.com
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> >> > > *Subject*: [n2adr-sdr] Power Requirements?
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>

234. Re: [n2adr-sdr] Re: HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-07-16 22:27:08 UTC
From: Sid Boyce
Topic: 217 Message: 234
Attachments: 2 described; binary payloads are missing from this source WARC

There is always the cost consideration, but on the other hand I always
had a leaning towards the Hermes/N2ADR idea.
73 ... Sid.

On 16/07/11 19:41, wb4jfi wrote:
>
> Hey Sid, congrats on getting it all working!
>
> Yes on the spurs, etc. That's why I kind of gave up on the SoftRocks
> and other QSD/QSE radios as serious rigs a year or so back. In
> addition to spurs, you have to balance the sound card (diff phase &
> gain), etc. Transmit with QSEs can be rather dirty as well, unless
> properly set up.
>
> I guess that I need to order one of these boards soon. I've been
> playing with my own stuff, and the Charleston SDR receiver, but the
> N2ADR design makes a complete xcvr on a board.
>
> Now, if only the cost could come down a little more....
> congrats & 73s
> Terry, WB4JFI
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I had to use a USB ethernet adapter for the 192.168.2 subnet.
> > From lusub.
> > Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
> > It uses the pegasus driver.
> > tindog:~ # lsmod|grep pegasus
> > pegasus 23480 0
> > mii 13981 2 pegasus,r8169
> > usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd
> >
> > OS is openSUSE 11.4 Milestone 3 with my vanilla kernel 3.0.0-rc7-smp.
> >
> > I have my 2-el Quad fed into Bu1, no filters.
> > Listening on 20m is clean and I've never seen such a clean graph output
> > on any of the Softrock gear- No spurs.
> >
> > quisk-3.5.4, sample_rate = 192000.
> >
> > Next steps, some BPF's and RX/TX switching. I already have a 5W FET PA
> > from a project of over 20 years ago + LPF's and 140W/300W PA's for

> later.
> > Very impressive indeed.
> > 73 ... Sid.
> > --
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235. Re: [n2adr-sdr] Re: Power Requirements?

Yahoo group: n2adr-sdr
Date: 2011-07-19 23:19:09 UTC
From: Sid Boyce
Topic: 191 Message: 235

I am building a +6V linear P.S but right now I'm running off +13.8V --> +6V using a LM317T and have a good deal of heat sinking together with a PC fan and it's running cool.
I also have a SMPS from a mainframe disk subsystem that I'll see if I can coax it up from +5V (30A) to +6V.

One other thing - has anyone details to share on RX/TX switching and PA chain?
I have a 5W FET PA using 3 VN66AF's, culled from a transceiver I built nearly a couple of decades ago - I last checked it out about a year ago with drive from a signal generator and it still looked good.
I'm thinking of using that to drive an AN762 and later a EB104 if that comes up OK this time. I had to replace Q2 on the EB104 which blasted apart during biassing, hopefully soon I'll get back to biassing it.
73 ... Sid.

On 19/07/11 18:56, Mario wrote:
>
> Hi Sid,
>
> i would not recommend to do that because of the additional 6W
> power that you have to bring away.
> Allways depends on how much power you can get away via the flange of
> the regulator and the size of the cooler and the outer temperature as
> well. But remind that you have this loss all the time the supply is
> switched on and probably you want to use the frontend in the
> summertime in a warm room.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > An old message that somehow got stuck in the pipes.
> > 73 ... Sid.
> >
> > On 13/07/11 13:08, Sid Boyce wrote:
> > >
> > > I was a little puzzled by seeing +6V input on the circuit diagram but
> > > wondered why not a +13.8V supply.
> > > Any worries about the extra voltage drop across the +5V regulator?
> > > 73 ... Sid.
> > >
> > > On 13/07/11 06:48, Mario wrote:

> > >
> > >> I have just some old data, hopefully correctly written down to the
> > >> piece of paper i found.
> > >> It was taken with the DL7LA/DL7IY PCB without programming of the
> > >> config flash.
> > >> - 12V input
> > >> = switched regulator P3596 L-5.0 5.0V
> > >> o linear regulator LT1085 3.3V
> > >> o LT1085 2.5V
> > >> o linear regulator (i do not remember the type) 1.2V
> > >> = lin reg 5V for preamp
> > >> = lin reg 3.3V for AD/DA
> > >> = lin reg 7.5V for TX MMIC
> > >>
> > >> sequentially putting all the stuff to power (at 12V input):
> > >> - only regulator and LEDs of power supply: 76mA
> > >> - adding 3.3V and 1.2V of FPGA: 246mA
> > >> - adding 2.5V of FPGA: 285mA
> > >> - adding 3.3V analog voltage: 347mA
> > >> - adding 5V analog voltage: 378mA
> > >> - supply also the TCXO to power (disconnected before): 550mA
> > >>
> > >> With configured FPGA i see around 800-900mA at 12V with this
> > >> configuration depending on the data transferred via Ethernet.
> > >>
> > >> Hope this data helps.
> > >>
> > >> regards
> > >> Mario
> > >>
> > >> --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> > >> <mailto:n2adr-sdr%40yahoogroups.com>, Rob Frohne <rob.frohne@> wrote:
> > >> >
> > >> > I put the I/O rate at 99% and I get 1.7 watts total for the
> FPGA, with
> > >> > I/O accounting for about 1/4 watt. I'm still interested in any
> > >> > experimental data though.
> > >> >
> > >> > 73,
> > >> >
> > >> > Rob
> > >> > KL7NA
> > >> >
> > >> > On 07/12/2011 05:17 PM, Marciniak, Ed wrote:
> > >> > >
> > >> > > Couldn't one make certain assumptions in trying to estimate?
> > >> > > (Yes I realize that's not the question asked)
> > >> > >
> > >> > > One bit (sign) will flip in a roughly predictable fashion in a

> > >> > > function related to frequency of strongest signal provided it it
> > >> least
> > >> > > 6 db greater power with a signal. If no signal, it might toggle
> > >> 50% of
> > >> > > the time along with several LSBs.
> > >> > >
> > >> > > The bits in between will have some relationship to the received
> > >> power.
> > >> > >
> > >> > > Multiplier inputs that are zero will produce some partial
> products
> > >> > > that are zero.
> > >> > >
> > >> > >
> > >> > >
> > >> > > *From*: Rob Frohne [mailto:rob.frohne@]
> > >> > > *Sent*: Tuesday, July 12, 2011 06:49 PM
> > >> > > *To*: n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> > >> <mailto:n2adr-sdr%40yahoogroups.com> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> > >> <mailto:n2adr-sdr%40yahoogroups.com>>
> > >> > > *Subject*: [n2adr-sdr] Power Requirements?
> > >> > >
> > >> > > Hi,
> > >> > >
> > >> > > I'm finally getting a few minutes to work on this again. And
> as I
> > >> work
> > >> > > on adding up all the powers used by everything, I finally got
> to the
> > >> > > FPGA. Quartus has some power analysis built in, but setting
> up the
> > >> > > inputs realistically for a good simulation isn't quick and
> easy (at
> > >> > > least for this novice). Has anyone made experimental
> measurements
> > >> other
> > >> > > than Helmut's before he programmed the FPGA?
> > >> > >
> > >> > > 73,
> > >> > >
> > >> > > Rob
> > >> > >
> > >> > > --
> > >> > > Rob Frohne, Ph.D., P.E.
> > >> > > E.F. Cross School of Engineering
> > >> > > Walla Walla University
> > >> > > 100 SW 4th Street
> > >> > > College Place, WA 99324

> > >> > > (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
> <http://people.wallawalla.edu/%7Erob.frohne>
> > >> <http://people.wallawalla.edu/%7Erob.frohne>
> > >> > > <http://people.wallawalla.edu/%7Erob.frohne>
> > >> > >
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> > >> <http://people.wallawalla.edu/%7Erob.frohne>
> > >> >
> > >>
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > >
> >
> >
> > --
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>
>

--
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

237. N2ADR / HiQSDR Power supplies

Yahoo group: n2adr-sdr
Date: 2011-07-14 11:40:46 UTC
From: Helmut Goebkes
Topic: 237 Message: 237

Hi Group,

i followed the discussion about power supplies for the N2ADR/HiQSDR boards last days. In principle, the best solution is a analog series regulator in means of low noise.
On the other hand, this tend to dissapate a lot of heat and needs big Heatsinks.

In my opinion, the best is to combine both worlds. Personally i use for my fixed station a good switching wall power supply (attention: cheap ones produces a broad noise spectrum) with an output voltage of about 6 volts, 2Amps,electronically regulated (!)
Most distrubutors worldwide sell them for some bucks, but often you can cannibalize them from electronic toys or handys.

For portable or mobile use, i would also use a switching high efficiency preregulator. As an example, i setup a circuit diagram of a good and affordable switching supply solution into the files area (DB1CC/HiQSDR-Folder) made around a LM22675. The whole Curcuit has only the size of a Thumb and converts 10..28 Volts into 6.5 Volts with around 1.2 Amps max. Efficiency is >85%.
This is only an example, many other switching preregulators
may work and saves energy (and heatsinks..)

73!
Helmut, DB1CC

238. Re: [n2adr-sdr] N2ADR / HiQSDR Power supplies

Yahoo group: n2adr-sdr
Date: 2011-07-20 04:29:05 UTC
From: Sid Boyce
Topic: 237 Message: 238

OK, I've found that a good heatsink and a CPU fan keeps the LM317T cool.
I've also been able to tweak the SMPS to +6V, it's a VDE certified PS I
have used in the shack at +5V.
73 ... Sid.

On 14/07/11 12:40, Helmut Goebkes wrote:
>
> Hi Group,
>
> i followed the discussion about power supplies for the N2ADR/HiQSDR
> boards last days. In principle, the best solution is a analog series
> regulator in means of low noise.
> On the other hand, this tend to dissapate a lot of heat and needs big
> Heatsinks.
>
> In my opinion, the best is to combine both worlds. Personally i use
> for my fixed station a good switching wall power supply (attention:
> cheap ones produces a broad noise spectrum) with an output voltage of
> about 6 volts, 2Amps,electronically regulated (!)
> Most distrubutors worldwide sell them for some bucks, but often you
> can cannibalize them from electronic toys or handys.
>
> For portable or mobile use, i would also use a switching high
> efficiency preregulator. As an example, i setup a circuit diagram of a
> good and affordable switching supply solution into the files area
> (DB1CC/HiQSDR-Folder) made around a LM22675. The whole Curcuit has
> only the size of a Thumb and converts 10..28 Volts into 6.5 Volts with
> around 1.2 Amps max. Efficiency is >85%.
> This is only an example, many other switching preregulators
> may work and saves energy (and heatsinks..)
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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239. [Q] anyone build Quisk on Windoze-7?

Yahoo group: n2adr-sdr
Date: 2011-07-17 12:10:40 UTC
From: Ken N9VV
Topic: 239 Message: 239

Hi, I have been trying to install the proper Python 2.7.1 and wxPython 2.8 on my Windows-7 machine to run Quisk with no luck.

I tried various revisions of Python (current is 2.9) but the Quisk installer seems to be hard wired for Python 2.7.

I read the instructions about how to build Quisk from the tarball source. I have MinGW and Qt installed and had successfully built many revisions of the QuickSilver QS1RServer and SDRMAXIV. I know my way around a CLI and proper PATH statements etc.

But I have no success on Windows. Quisk runs beautifully on my Ubuntu 11.10 Oneiric partition, but not on Windoze.

Any suggestions?
thank you,
73 de Ken N9VV
--

240. Re: [n2adr-sdr] [Q] anyone build Quisk on Windoze-7?

Yahoo group: n2adr-sdr
Date: 2011-07-20 10:51:27 UTC
From: wb4jfi@knology.net
Topic: 239 Message: 240

I have had success building Quisk 3.5.2 on Window Vista 32bit, have not tried Win7 yet. I started with the original SDR-IQ support, added my filter shadow mods, then then added the support for the Charleston SDR. I am stuck figuring out how to package/distribute it without needing recompiles every time, as that's not a Windows user thing as much as Linux.

I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.

A little later today, I can fire up the Vista machine, and try to note the development tools and versions. I seem to recall that I used Python 2.7. I have not "spoiled" my two Win7 computers with the proper dev tools (mingw) yet! Maybe in a day or two. My attempt to build Quisk 3.5.2 on one XP box was not successful, but I think that was because of older mingw dev tools from a couple of years ago.

I'm a late-night person, usually staying up until 3AM or so. I'm only awake (sort of!) right now to feed the cats (one is sick), and then back to bed until about noon....
73s
Terry, WB4JFI

From: Ken N9VV
Sent: Sunday, July 17, 2011 8:10 AM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] [Q] anyone build Quisk on Windoze-7?

Hi, I have been trying to install the proper Python 2.7.1 and wxPython 2.8 on my Windows-7 machine to run Quisk with no luck.

I tried various revisions of Python (current is 2.9) but the Quisk installer seems to be hard wired for Python 2.7.

I read the instructions about how to build Quisk from the tarball source. I have MinGW and Qt installed and had successfully built many revisions of the QuickSilver QS1RServer and SDRMAXIV. I know my way around a CLI and proper PATH statements etc.

But I have no success on Windows. Quisk runs beautifully on my Ubuntu 11.10 Oneiric partition, but not on Windoze.

Any suggestions?
thank you,
73 de Ken N9VV
--

241. Re: [n2adr-sdr] Quisk Problems

Yahoo group: n2adr-sdr
Date: 2011-07-14 21:00:12 UTC
From: Sid Boyce
Topic: 206 Message: 241
Attachments: 1 described; binary payloads are missing from this source WARC

```
I now have it on a separate network switch.
tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24

Starting Nmap 5.21 ( http://nmap.org ) at 2011-07-14 21:16 BST
Nmap scan report for 192.168.2.196
Host is up (0.000069s latency).
Not shown: 995 closed ports
PORT STATE SERVICE VERSION
22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
| ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8 (DSA)
|_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
| robots.txt: has 1 disallowed entry
|_/
|_html-title: Site doesn't have a title (text/html).
|_http-favicon: Apache on Linux
111/tcp open rpcbind
| rpcinfo:
| 100000 2,3,4 111/udp rpcbind
|_100000 2,3,4 111/tcp rpcbind
5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP
port 5901)
5901/tcp open vnc VNC (protocol 3.7)
Device type: general purpose
Running: Linux 2.6.X
OS details: Linux 2.6.15 - 2.6.30
Network Distance: 0 hops

OS and Service detection performed. Please report any incorrect results
at http://nmap.org/submit/ .
Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds

Installed python-serial so that report is gone.
Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't recognised.
Still no change - no sound, no waterfall and screen is static as shown
in the snapshot.
73 ... Sid.

On 14/07/11 19:26, Helmut Goebkes wrote:
>
> Hi Sid,
>
> i am not a Linux specialist, but the HiQSDR
> is originally programmed in the FPGA
```

> to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> Do you reprogrammed the FPGA to the new IP?
>
> I see that no output sound name is defined.
> The CD contains a config_py for Windows and Linux that
> works fine for me and this can be the basic for your tests.
> Shure, you have to adapt you soundcard
> names for your computer.
>
> Another Hint: Several People had problems if they
> connect the HiQSDR directly via a cross-cable to a PC!
> 100MBit connections via Cross-Cables without switches in between
> are mostly not stable!
> Try connection via a switch (and a straight cable) please!
>
> maybe that helps a little bit ;-)
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

242. Re: [Q] anyone build Quisk on Windoze-7?

Yahoo group: n2adr-sdr
Date: 2011-07-20 17:22:56 UTC
From: wb4jfi
Topic: 239 Message: 242

Hey Ken.
As a follow-up, what are your symptoms? Is it building OK, but just not running. or are you having errors?

Two things that I might mention. Please don't take these the wrong way!

1. I noticed that the setup/build file, and possibly others, have conditionals about "win32". I'm not sure how they would react to "win64" versions.

2. The various version of Windows puts user documents folders in various places, and under different names. In my Vista-32 version, I ended up putting my quisk_conf.py file in a separate folder/dir, as: c:\quisk_conf\quisk_conf.py. I then point to it in the desktop icon parameters, by running:
c:\python27\pythonw.exe WinQuisk.pyw -c c:\quisk_conf\quisk_conf.py
In the startup directory:
C:\Python27\Lib\site-packages\quisk-3.5.1

That also answers that I am using Quisk 3.5.1, and Python27.

I found that if I did not specify the proper directory for the config file, everything would build, the I would see a VERY brief flash of Quisk, then it would disappear from the screen.

Both my Win7 boxes are 64-bit, so that may be interesting, once I try one of them.

Hope this helps.
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Hi, I have been trying to install the proper Python 2.7.1 and wxPython
> 2.8 on my Windows-7 machine to run Quisk with no luck.
>
> I tried various revisions of Python (current is 2.9) but the Quisk
> installer seems to be hard wired for Python 2.7.
>
> I read the instructions about how to build Quisk from the tarball
> source. I have MinGW and Qt installed and had successfully built many
> revisions of the QuickSilver QS1RServer and SDRMAXIV. I know my way
> around a CLI and proper PATH statements etc.
>
> But I have no success on Windows. Quisk runs beautifully on
> my Ubuntu 11.10 Oneiric partition, but not on Windoze.
>
> Any suggestions?
> thank you,
> 73 de Ken N9VV

> --
>

243. Re: [n2adr-sdr] Re: [Q] anyone build Quisk on Windoze-7?

Yahoo group: n2adr-sdr
Date: 2011-07-20 18:03:33 UTC
From: Ken N9VV
Topic: 239 Message: 243

Thank you Terry, yes I made (at least) two errors;
(a) had the wrong version of Python and wxPython installed.
(b) your start command is great. My darn conf.py file was
hidden in my Documents\Roaming\khopper\Quisk\conf.py
I will use your -c c:\..... and see if that fixes the
quick flash of an error window.

thanks a million Terry for your specific help. This is
great.

GB you and yours,
73 de Ken N9VV

On 7/20/2011 12:22 PM, wb4jfi wrote:
> Hey Ken.
> As a follow-up, what are your symptoms? Is it building OK, but just not running. or are you having errors?
>
> Two things that I might mention. Please don't take these the wrong way!
>
> 1. I noticed that the setup/build file, and possibly others, have conditionals about "win32". I'm not sure how they would react to "win64" versions.
>
> 2. The various version of Windows puts user documents folders in various places, and under different names. In my Vista-32 version, I ended up putting my quisk_conf.py file in a separate folder/dir, as: c:\quisk_conf\quisk_conf.py. I then point to it in the desktop icon parameters, by running:
> c:\python27\pythonw.exe WinQuisk.pyw -c c:\quisk_conf\quisk_conf.py
> In the startup directory:
> C:\Python27\Lib\site-packages\quisk-3.5.1
>
> That also answers that I am using Quisk 3.5.1, and Python27.
>
> I found that if I did not specify the proper directory for the config file, everything would build, the I would see a VERY brief flash of Quisk, then it would disappear from the screen.
>
> Both my Win7 boxes are 64-bit, so that may be interesting, once I try one of them.
>
> Hope this helps.
> Terry, WB4JFI
>
>
> --- In n2adr-sdr@yahoogroups.com, Ken N9VV<n9vv@...> wrote:
>>
>> Hi, I have been trying to install the proper Python 2.7.1 and wxPython

>> 2.8 on my Windows-7 machine to run Quisk with no luck.
>>
>> I tried various revisions of Python (current is 2.9) but the Quisk
>> installer seems to be hard wired for Python 2.7.
>>
>> I read the instructions about how to build Quisk from the tarball
>> source. I have MinGW and Qt installed and had successfully built many
>> revisions of the QuickSilver QS1RServer and SDRMAXIV. I know my way
>> around a CLI and proper PATH statements etc.
>>
>> But I have no success on Windows. Quisk runs beautifully on
>> my Ubuntu 11.10 Oneiric partition, but not on Windoze.
>>
>> Any suggestions?
>> thank you,
>> 73 de Ken N9VV
>> --
>>
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> ------------------------------------
>
> Yahoo! Groups Links
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244. Quisk A.O.K. on Ubuntu 11.10 Oneiric Beta

Yahoo group: n2adr-sdr
Date: 2011-07-20 18:22:00 UTC
From: KennethH
Topic: 244 Message: 244

Hi, I have a little mITX Atom 330 machine that is triple booted.
One boot is Ubuntu 11.10 Oneiric. I have just added a picture
of my screen showing my success with compiling Quisk on Ubuntu.
best regards,
de Ken N9VV

245. Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-21 12:58:55 UTC
From: Guenter DL7LA
Topic: 239 Message: 245

--- In n2adr-sdr@yahoogroups.com, <wb4jfi@...> wrote:
>
.....
> I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
>
......
> 73s
> Terry, WB4JFI
>
Terry,
could you throw in a few more words about the 'filter shadow' and how you create it?
mni nx
Guenter
DL7LA

246. Re: Quisk Problems, Cross Cable

Yahoo group: n2adr-sdr
Date: 2011-07-21 13:21:35 UTC
From: Guenter DL7LA
Topic: 206 Message: 246

Hi, all,

FYI it's just the other way round here, my boards work through straight cables via the switche(s), but it takes a cross cable to directly connect to the PC to work.

E.g. I'm connected to the world via a WLAN link on my laptop and to the N2ADR board via a cross cable to eth0 jack. The routing table has to be modified accordingly (like 'route add 192.168.178.201 dev eth0' in my case, my boards not being programmed to the standard adress).

HTH
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I now have it on a separate network switch.
> tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24
>
> Starting Nmap 5.21 (http://nmap.org) at 2011-07-14 21:16 BST
> Nmap scan report for 192.168.2.196
> Host is up (0.000069s latency).
> Not shown: 995 closed ports
> PORT STATE SERVICE VERSION
> 22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
> | ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8 (DSA)
> |_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
> 80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
> | robots.txt: has 1 disallowed entry
> |_/
> |_html-title: Site doesn't have a title (text/html).
> |_http-favicon: Apache on Linux
> 111/tcp open rpcbind
> | rpcinfo:
> | 100000 2,3,4 111/udp rpcbind
> |_100000 2,3,4 111/tcp rpcbind
> 5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP
> port 5901)
> 5901/tcp open vnc VNC (protocol 3.7)
> Device type: general purpose
> Running: Linux 2.6.X
> OS details: Linux 2.6.15 - 2.6.30
> Network Distance: 0 hops
>
> OS and Service detection performed. Please report any incorrect results
> at http://nmap.org/submit/ .

> Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds
>
>
> Installed python-serial so that report is gone.
> Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
> changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't recognised.
> Still no change - no sound, no waterfall and screen is static as shown
> in the snapshot.
> 73 ... Sid.
>
> On 14/07/11 19:26, Helmut Goebkes wrote:
> >
> > Hi Sid,
> >
> > i am not a Linux specialist, but the HiQSDR
> > is originally programmed in the FPGA
> > to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> > Do you reprogrammed the FPGA to the new IP?
> >
> > I see that no output sound name is defined.
> > The CD contains a config_py for Windows and Linux that
> > works fine for me and this can be the basic for your tests.
> > Shure, you have to adapt you soundcard
> > names for your computer.
> >
> > Another Hint: Several People had problems if they
> > connect the HiQSDR directly via a cross-cable to a PC!
> > 100MBit connections via Cross-Cables without switches in between
> > are mostly not stable!
> > Try connection via a switch (and a straight cable) please!
> >
> > maybe that helps a little bit ;-)
> >
> > 73!
> > Helmut, DB1CC
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

247. Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-21 16:27:38 UTC
From: wb4jfi
Topic: 239 Message: 247

Hello Guenter, sure thing.
I modified Jim's original quisk.py Python program to add a slightly different color background on the spectrum display, wherever the radio is tuned to. That different background color follows (roughly) the bandwidth and modulation selected by the user. So, if you have a 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will see a slightly different color background starting at the tuned frequency, and going down the scale approximately the received bandwith amount.

Hard to describe, I will try to upload a picture here later today. I have been adding this to Jim's code for a while now. Each version he releases takes me a little time to spot all the changes that I must make, as these changes must monitor the mode, bandwidth, and display selected. It only takes a few minutes to make the mods.

I had been putting the modified file at the Softrock forum, but they ran out of room in their file section. I could put the various modified versions somewhere here, if people are interested. I do have most versions up to 3.5.4 changed. Technically, three files are changed, but the actual filter shadow code is only in quisk.py, with thother two changes one-liners to enable/disable, and choose filter display color. I used lemon_chiffon_3 (or something like that).

You can go to www.amrad.org, click on DSP&SDR on left, and then Charleston SDR, and you should see an older screengrab. It is a pretty small pix, however.
73s
Terry

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
>
>
> --- In n2adr-sdr@yahoogroups.com, <wb4jfi@> wrote:
> >
> .....
> > I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
> >
> ......
> > 73s
> > Terry, WB4JFI
> >
> Terry,
> could you throw in a few more words about the 'filter shadow' and how you create it?
> mni nx
> Guenter
> DL7LA
>

248. Re: [n2adr-sdr] Re: Quisk Problems, Cross Cable

Yahoo group: n2adr-sdr
Date: 2011-07-21 20:51:44 UTC
From: Sid Boyce
Topic: 206 Message: 248

Sorry Guenter,
This is an old message that must have gone around the universe to get here. Problem resolved many days ago.
73 ... Sid.

On 21/07/11 14:21, Guenter DL7LA wrote:
> Hi, all,
>
> FYI it's just the other way round here, my boards work through straight
> cables via the switche(s), but it takes a cross cable to directly
> connect to the PC to work.
>
> E.g. I'm connected to the world via a WLAN link on my laptop and to the
> N2ADR board via a cross cable to eth0 jack. The routing table has to be
> modified accordingly (like 'route add 192.168.178.201 dev eth0' in my
> case, my boards not being programmed to the standard adress).
>
> HTH
> Guenter
> DL7LA
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I now have it on a separate network switch.
> > tindog:/opt/quisk-3.5.4 # nmap -A 192.168.2.0/24
> >
> > Starting Nmap 5.21 (http://nmap.org) at 2011-07-14 21:16 BST
> > Nmap scan report for 192.168.2.196
> > Host is up (0.000069s latency).
> > Not shown: 995 closed ports
> > PORT STATE SERVICE VERSION
> > 22/tcp open ssh OpenSSH 5.8 (protocol 2.0)
> > | ssh-hostkey: 1024 44:30:cd:7e:21:2b:6f:22:8c:d0:fe:59:18:d4:cb:a8 (DSA)
> > |_1024 87:25:7f:b5:4f:2b:b5:29:5c:07:d4:73:64:c5:6c:fa (RSA)
> > 80/tcp open http Apache httpd 2.2.17 ((Linux/SUSE))
> > | robots.txt: has 1 disallowed entry
> > |_/
> > |_html-title: Site doesn't have a title (text/html).
> > |_http-favicon: Apache on Linux
> > 111/tcp open rpcbind
> > | rpcinfo:
> > | 100000 2,3,4 111/udp rpcbind
> > |_100000 2,3,4 111/tcp rpcbind
> > 5801/tcp open vnc-http TightVNC 1.2.9 (Resolution 1024x788; VNC TCP

> > port 5901)
> > 5901/tcp open vnc VNC (protocol 3.7)
> > Device type: general purpose
> > Running: Linux 2.6.X
> > OS details: Linux 2.6.15 - 2.6.30
> > Network Distance: 0 hops
> >
> > OS and Service detection performed. Please report any incorrect results
> > at http://nmap.org/submit/ .
> > Nmap done: 256 IP addresses (1 host up) scanned in 13.47 seconds
> >
> >
> > Installed python-serial so that report is gone.
> > Using quisk_conf.py.linux.txt from the CD as ~/.quisk_conf.py, only
> > changed microphone_name to "portaudio:(hw:0,1) as hw:0,2 wasn't
> recognised.
> > Still no change - no sound, no waterfall and screen is static as shown
> > in the snapshot.
> > 73 ... Sid.
> >
> > On 14/07/11 19:26, Helmut Goebkes wrote:
> > >
> > > Hi Sid,
> > >
> > > i am not a Linux specialist, but the HiQSDR
> > > is originally programmed in the FPGA
> > > to an IP adress of 192.168.2.196 (as labeled on Top of HiQSDR)
> > > Do you reprogrammed the FPGA to the new IP?
> > >
> > > I see that no output sound name is defined.
> > > The CD contains a config_py for Windows and Linux that
> > > works fine for me and this can be the basic for your tests.
> > > Shure, you have to adapt you soundcard
> > > names for your computer.
> > >
> > > Another Hint: Several People had problems if they
> > > connect the HiQSDR directly via a cross-cable to a PC!
> > > 100MBit connections via Cross-Cables without switches in between
> > > are mostly not stable!
> > > Try connection via a switch (and a straight cable) please!
> > >
> > > maybe that helps a little bit ;-)
> > >
> > > 73!
> > > Helmut, DB1CC
> > >
> > >
> >
> >
> > --

> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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249. Photo of Quisk with filter shadow

Yahoo group: n2adr-sdr
Date: 2011-07-21 20:57:45 UTC
From: wb4jfi
Topic: 249 Message: 249

A little earlier, I put one photo in a WB4JFI folder, that shows the filter shadow runninf with Quisk 3.4.8. For some reason I had problems looking at it afterword.

I can put the modified Quisk files in the files section, under a WB4JFI folder, if there is interest here. Rather than doing diffs, text descriptions, or other stuff, I can just put the modified Python files there, and you can move them into your Quisk directory.

I have them for 3.4.8 (and some otehr older versions), 3.5.1, 3.5.2, and 3.5.4. Once these mods are done onces, it is pretty easy to find the places to put the changes thereafter.

I think Jim does not want to include this option because it may take up too much processing on very marginal machines, and because I did not add the capability to "drag" the shadow and change the automatically bandwidth. I am not a Python expert, so that was beyond my abilities and attention span!
73s
Terry, WB4JFI

250. Re: [n2adr-sdr] Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-21 21:00:10 UTC
From: Sid Boyce
Topic: 239 Message: 250

Hi Terry,
You could create a folder in the Files section and place them there.
I've been looking at quisk.py for 3.5.4 and comparing changes with those for 3.5.1 but I didn't cut and paste your stuff in to try. I already have ~/.quisk_conf.py set up and ready.
73 ... Sid.

On 21/07/11 17:27, wb4jfi wrote:
>
> Hello Guenter, sure thing.
> I modified Jim's original quisk.py Python program to add a slightly
> different color background on the spectrum display, wherever the radio
> is tuned to. That different background color follows (roughly) the
> bandwidth and modulation selected by the user. So, if you have a
> 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the
> display, listening to SSB with a 2.4kHz bandwidth, you will see a
> slightly different color background starting at the tuned frequency,
> and going down the scale approximately the received bandwith amount.
>
> Hard to describe, I will try to upload a picture here later today. I
> have been adding this to Jim's code for a while now. Each version he
> releases takes me a little time to spot all the changes that I must
> make, as these changes must monitor the mode, bandwidth, and display
> selected. It only takes a few minutes to make the mods.
>
> I had been putting the modified file at the Softrock forum, but they
> ran out of room in their file section. I could put the various
> modified versions somewhere here, if people are interested. I do have
> most versions up to 3.5.4 changed. Technically, three files are
> changed, but the actual filter shadow code is only in quisk.py, with
> thother two changes one-liners to enable/disable, and choose filter
> display color. I used lemon_chiffon_3 (or something like that).
>
> You can go to www.amrad.org, click on DSP&SDR on left, and then
> Charleston SDR, and you should see an older screengrab. It is a pretty
> small pix, however.
> 73s
> Terry
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Guenter DL7LA" <dl7la@...> wrote:
> >
> >
> >
> > --- In n2adr-sdr@yahoogroups.com

> <mailto:n2adr-sdr%40yahoogroups.com>, <wb4jfi@> wrote:
> > >
> > .....
> > > I just downloaded Quisk 3.5.4 for Linux, and added my usual
> changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I
> will get it going on Win Vista.
> > >
> > ......
> > > 73s
> > > Terry, WB4JFI
> > >
> > Terry,
> > could you throw in a few more words about the 'filter shadow' and
> how you create it?
> > mni nx
> > Guenter
> > DL7LA
> >
>
>

--
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251. Quisk filter mod files in Files section

Yahoo group: n2adr-sdr
Date: 2011-07-21 21:48:32 UTC
From: wb4jfi
Topic: 251 Message: 251

Please find the two important files that are changed to add the filter shadow in the WB4JFI files folder section. For right now, I only uploaded the changes for 3.5.2 and 3.5.4. I also have the changed files for several other versions (but not every one) of Quisk, starting with 3.4.6. I also included a text file, which shows where the changes were made. Let me know if you want the modified files for earlier versions.

Change the file names to match the original files, such as quisk.py. I always rename the original file first (to orig_quisk3.5.4.py for example), then copy the new file into the appropriate quisk directory, then rename that version, such as quisk.py.

In addition to moving the two files over, you must also enable the filter shadow (the default setting is filter shadow OFF). Do this by adding this line to your .quisk_conf.py file, in your home directory:
filter_display = 1

I also like to click-tune within the displayed spectrum without having the spectrum change. I found this especially useful in the recent 13-colonies event July 4 weekend, where I could put the complete 40M SSB sub-band up on quisk, and then just click-tune on new stations to find out whether they were a 13-colony station or not. I don't run high power and big antennas, so it's important I get to a station like that BEFORE the pileup grows!!! Anyway, to add that click-tuning, put in your {home}/.quisk_conf.py file:
mouse_tune_method = 1

That used to be the default, but changed with recent 3.5.x versions.

These changes also work with Jim's alpha/beta?? Windows version of Quisk.

Also, sorry for all the typos. After a significant computer crash, I am using a new computer and new keyboard. Thank goodness for backups!

Anyway, enjoy.
73s
Terry, WB4JFI

252. Re: [n2adr-sdr] Quisk filter mod files in Files section

Yahoo group: n2adr-sdr
Date: 2011-07-22 01:49:30 UTC
From: Sid Boyce
Topic: 251 Message: 252

Thanks Terry,
Will have a look tomorrow.
73 ... Sid.

On 21/07/11 22:48, wb4jfi wrote:
>
> Please find the two important files that are changed to add the filter
> shadow in the WB4JFI files folder section. For right now, I only
> uploaded the changes for 3.5.2 and 3.5.4. I also have the changed
> files for several other versions (but not every one) of Quisk,
> starting with 3.4.6. I also included a text file, which shows where
> the changes were made. Let me know if you want the modified files for
> earlier versions.
>
> Change the file names to match the original files, such as quisk.py. I
> always rename the original file first (to orig_quisk3.5.4.py for
> example), then copy the new file into the appropriate quisk directory,
> then rename that version, such as quisk.py.
>
> In addition to moving the two files over, you must also enable the
> filter shadow (the default setting is filter shadow OFF). Do this by
> adding this line to your .quisk_conf.py file, in your home directory:
> filter_display = 1
>
> I also like to click-tune within the displayed spectrum without having
> the spectrum change. I found this especially useful in the recent
> 13-colonies event July 4 weekend, where I could put the complete 40M
> SSB sub-band up on quisk, and then just click-tune on new stations to
> find out whether they were a 13-colony station or not. I don't run
> high power and big antennas, so it's important I get to a station like
> that BEFORE the pileup grows!!! Anyway, to add that click-tuning, put
> in your {home}/.quisk_conf.py file:
> mouse_tune_method = 1
>
> That used to be the default, but changed with recent 3.5.x versions.
>
> These changes also work with Jim's alpha/beta?? Windows version of Quisk.
>
> Also, sorry for all the typos. After a significant computer crash, I
> am using a new computer and new keyboard. Thank goodness for backups!
>
> Anyway, enjoy.
> 73s
> Terry, WB4JFI
>

>

--
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253. Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-23 17:53:14 UTC
From: Guenter DL7LA
Topic: 239 Message: 253

Terry,
thanks for uploading your changes, very nice work. I got it running allright editing along quick and dirty, however I had trouble with the shadow not following in the zoom feature. Searching around I got confused when reading the JULY 2011 NOTE part. When my version finally agreed to the NOTE text it did not display neither graph nor shadow any longer. Guess I'll have to start over again taking some more time and care.
mni tnx es 73
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> Hello Guenter, sure thing.
> I modified Jim's original quisk.py Python program to add a slightly different color background on the spectrum display, wherever the radio is tuned to. That different background color follows (roughly) the bandwidth and modulation selected by the user. So, if you have a 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will see a slightly different color background starting at the tuned frequency, and going down the scale approximately the received bandwith amount.
>
> Hard to describe, I will try to upload a picture here later today. I have been adding this to Jim's code for a while now. Each version he releases takes me a little time to spot all the changes that I must make, as these changes must monitor the mode, bandwidth, and display selected. It only takes a few minutes to make the mods.
>
> I had been putting the modified file at the Softrock forum, but they ran out of room in their file section. I could put the various modified versions somewhere here, if people are interested. I do have most versions up to 3.5.4 changed. Technically, three files are changed, but the actual filter shadow code is only in quisk.py, with thother two changes one-liners to enable/disable, and choose filter display color. I used lemon_chiffon_3 (or something like that).
>
> You can go to www.amrad.org, click on DSP&SDR on left, and then Charleston SDR, and you should see an older screengrab. It is a pretty small pix, however.
> 73s
> Terry
>
>
> --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
> >
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, <wb4jfi@> wrote:
> > >

> > .....
> > > I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
> > >
> > ......
> > > 73s
> > > Terry, WB4JFI
> > >
> > Terry,
> > could you throw in a few more words about the 'filter shadow' and how you create it?
> > mni nx
> > Guenter
> > DL7LA
> >
>

254. Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-23 18:11:03 UTC
From: wb4jfi
Topic: 239 Message: 254

Guenter:
Thank you for the reminder about the zoom feature! It turns out that I have never used zoom yet, so my changes may not be effective under zoom yet. I will try it with the zoom later today. There is probably a place in the zoom code that needs to have a call to my filter shadow recalculate & display code added to it.

Sorry about that!
Terry

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Terry,
> thanks for uploading your changes, very nice work. I got it running allright editing along quick and dirty, however I had trouble with the shadow not following in the zoom feature. Searching around I got confused when reading the JULY 2011 NOTE part. When my version finally agreed to the NOTE text it did not display neither graph nor shadow any longer. Guess I'll have to start over again taking some more time and care.
> mni tnx es 73
> Guenter
> DL7LA
>
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@> wrote:
> >
> > Hello Guenter, sure thing.
> > I modified Jim's original quisk.py Python program to add a slightly different color background on the spectrum display, wherever the radio is tuned to. That different background color follows (roughly) the bandwidth and modulation selected by the user. So, if you have a 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will see a slightly different color background starting at the tuned frequency, and going down the scale approximately the received bandwith amount.
> >
> > Hard to describe, I will try to upload a picture here later today. I have been adding this to Jim's code for a while now. Each version he releases takes me a little time to spot all the changes that I must make, as these changes must monitor the mode, bandwidth, and display selected. It only takes a few minutes to make the mods.
> >
> > I had been putting the modified file at the Softrock forum, but they ran out of room in their file section. I could put the various modified versions somewhere here, if people are interested. I do have most versions up to 3.5.4 changed. Technically, three files are changed, but the actual filter shadow code is only in quisk.py, with thother two changes one-liners to enable/disable, and choose filter display color. I used lemon_chiffon_3 (or

something like that).
> >
> > You can go to www.amrad.org, click on DSP&SDR on left, and then Charleston SDR, and you should see an older screengrab. It is a pretty small pix, however.
> > 73s
> > Terry
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
> > >
> > >
> > >
> > > --- In n2adr-sdr@yahoogroups.com, <wb4jfi@> wrote:
> > > >
> > > .....
> > > > I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
> > > >
> > > ......
> > > > 73s
> > > > Terry, WB4JFI
> > > >
> > > Terry,
> > > could you throw in a few more words about the 'filter shadow' and how you create it?
> > > mni nx
> > > Guenter
> > > DL7LA
> > >
> >
>

255. Re: [Q] Filter Shadow

Yahoo group: n2adr-sdr
Date: 2011-07-23 19:27:41 UTC
From: wb4jfi
Topic: 239 Message: 255

Follow-up:
I believe that the fix for having the filter shadow is pretty simple. In my def UpdateFilterDisplay() code, near line 503, there is a line that starts:
self.filter_pixels = (application.filterbw / application.sample_rate....

change the firt part of the equation to:
self.filter_pixels = ((application.filterbw / application.zoom) /
(note: you are adding the division of filter pixels by zoom value, don't forget the added parenthesis)

That seems to work OK for me.

One other note that I see. Whenever in mouse_tune_mode = 1 (where you can click around on the spectrum display without moving the spectrum display), if you use the ZOOM feature, it automatically DOES move the spectrum display to center the signal of interest. Once the zoom is set back to 1, the display returns to "normal". This can be a little disconcerting if you are not used to it happening. But, I guess this is better than having the zoom move the wanted signal outside the display during zoom....

I will post a revised quisk.py with teh above changes later today/tonight.
73s
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> Guenter:
> Thank you for the reminder about the zoom feature! It turns out that I have never used zoom yet, so my changes may not be effective under zoom yet. I will try it with the zoom later today. There is probably a place in the zoom code that needs to have a call to my filter shadow recalculate & display code added to it.
>
> Sorry about that!
> Terry
>
>
> --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
> >
> > Terry,
> > thanks for uploading your changes, very nice work. I got it running allright editing along quick and dirty, however I had trouble with the shadow not following in the zoom feature. Searching around I got confused when reading the JULY 2011 NOTE part. When my version finally agreed to the NOTE text it did not display neither graph nor shadow any longer. Guess I'll have to start over again taking some more time and care.
> > mni tnx es 73
> > Guenter
> > DL7LA

> >
> >
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@> wrote:
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> > > I modified Jim's original quisk.py Python program to add a slightly different color background on the spectrum display, wherever the radio is tuned to. That different background color follows (roughly) the bandwidth and modulation selected by the user. So, if you have a 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will see a slightly different color background starting at the tuned frequency, and going down the scale approximately the received bandwith amount.
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> > > Hard to describe, I will try to upload a picture here later today. I have been adding this to Jim's code for a while now. Each version he releases takes me a little time to spot all the changes that I must make, as these changes must monitor the mode, bandwidth, and display selected. It only takes a few minutes to make the mods.
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> > > I had been putting the modified file at the Softrock forum, but they ran out of room in their file section. I could put the various modified versions somewhere here, if people are interested. I do have most versions up to 3.5.4 changed. Technically, three files are changed, but the actual filter shadow code is only in quisk.py, with thother two changes one-liners to enable/disable, and choose filter display color. I used lemon_chiffon_3 (or something like that).
> > >
> > > You can go to www.amrad.org, click on DSP&SDR on left, and then Charleston SDR, and you should see an older screengrab. It is a pretty small pix, however.
> > > 73s
> > > Terry
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> > > --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
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> > > >
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> > > > > I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
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> > > > ......
> > > > > 73s
> > > > > Terry, WB4JFI
> > > > >
> > > > Terry,
> > > > could you throw in a few more words about the 'filter shadow' and how you create it?

> > > > mni nx
> > > > Guenter
> > > > DL7LA
> > > >
> > >
> >
>

256. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-07-23 19:51:42 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 256

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk3.5.4/filter3.5.4_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : quisk.py modified to add filter shadow & zoom fix

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.4/filter3.5
.4_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

257. Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-23 20:02:10 UTC
From: Guenter DL7LA
Topic: 239 Message: 257

Terry,
tnx in advance. Could it be that your uploaded filter_quiskx.xyz got mixed up - per accident - with the original quisk.py? I can't find your changes in there which is why I started editing. Never mind, no hurry, will standby...
73
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> Follow-up:
> I believe that the fix for having the filter shadow is pretty simple. In my def UpdateFilterDisplay() code, near line 503, there is a line that starts:
> self.filter_pixels = (application.filterbw / application.sample_rate....
>
> change the firt part of the equation to:
> self.filter_pixels = ((application.filterbw / application.zoom) /
> (note: you are adding the division of filter pixels by zoom value, don't forget the added parenthesis)
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> That seems to work OK for me.
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> One other note that I see. Whenever in mouse_tune_mode = 1 (where you can click around on the spectrum display without moving the spectrum display), if you use the ZOOM feature, it automatically DOES move the spectrum display to center the signal of interest. Once the zoom is set back to 1, the display returns to "normal". This can be a little disconcerting if you are not used to it happening. But, I guess this is better than having the zoom move the wanted signal outside the display during zoom....
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> I will post a revised quisk.py with teh above changes later today/tonight.
> 73s
> Terry, WB4JFI
>
>
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> > Guenter:
> > Thank you for the reminder about the zoom feature! It turns out that I have never used zoom yet, so my changes may not be effective under zoom yet. I will try it with the zoom later today. There is probably a place in the zoom code that needs to have a call to my filter shadow recalculate & display code added to it.
> >
> > Sorry about that!
> > Terry

> >
> >
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> > >
> > > Terry,
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> > > > I modified Jim's original quisk.py Python program to add a slightly different color background on the spectrum display, wherever the radio is tuned to. That different background color follows (roughly) the bandwidth and modulation selected by the user. So, if you have a 192kHz spectrum display on 40M, and are tuned to a signal 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will see a slightly different color background starting at the tuned frequency, and going down the scale approximately the received bandwith amount.
> > > >
> > > > Hard to describe, I will try to upload a picture here later today. I have been adding this to Jim's code for a while now. Each version he releases takes me a little time to spot all the changes that I must make, as these changes must monitor the mode, bandwidth, and display selected. It only takes a few minutes to make the mods.
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> > > > > >
> > > > > >
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> > > > > > I just downloaded Quisk 3.5.4 for Linux, and added my usual changes to include the filter shadow, under Ubuntu 10.04LTS. Next, I will get it going on Win Vista.
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> > > > > >
> > > > >
> > > >
> > >
>

258. Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-23 20:17:52 UTC
From: wb4jfi
Topic: 239 Message: 258

YES. I screwed up. New version, with mods, just uploaded to files.
Enjoy.
Terry

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Terry,
> tnx in advance. Could it be that your uploaded filter_quiskx.xyz got mixed up - per accident - with the original quisk.py? I can't find your changes in there which is why I started editing. Never mind, no hurry, will standby...
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> > > > >
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> > >
>

259. Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-23 20:42:44 UTC
From: Guenter DL7LA
Topic: 239 Message: 259

Terry,
enjoy I certainly already do, great, even including the zoom...
tnx
Guenter DL7LA

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> YES. I screwed up. New version, with mods, just uploaded to files.
> Enjoy.
> Terry
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> --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
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> >

260. Re: [n2adr-sdr] Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-23 21:24:32 UTC
From: Sid Boyce
Topic: 239 Message: 260

It's up and running here, thanks.
73 ... Sid.

On 23/07/11 21:17, wb4jfi wrote:
>
> YES. I screwed up. New version, with mods, just uploaded to files.
> Enjoy.
> Terry
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
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> > > > > > > > >

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> >
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>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

261. SDR Project MK1

Yahoo group: n2adr-sdr
Date: 2011-07-25 06:28:40 UTC
From: Mario
Topic: 261 Message: 261

yet another interesting SDR project:

http://uvb-76.blogspot.com/p/sdr-project-mk1.html

regards
Mario

262. Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-25 19:03:13 UTC
From: Mario
Topic: 239 Message: 262

Hi Terry,

also running on my side now. For some reason i had to change the band before i saw the filter color. This made me do some trials with 3.5.4 and 3.5.2 before i had success ;)
In CW the filter display does not seem to be correct.
The tuning indicator needs to be in the middle of the filter for CW, right ?
Probably your code is something Jim wants to include into his release. Did you already send him this nice stuff ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> It's up and running here, thanks.
> 73 ... Sid.
>
> On 23/07/11 21:17, wb4jfi wrote:
> >
> > YES. I screwed up. New version, with mods, just uploaded to files.
> > Enjoy.
> > Terry
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > "Guenter DL7LA" <dl7la@> wrote:
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> > > tnx in advance. Could it be that your uploaded filter_quiskx.xyz got
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> > > Guenter
> > > DL7LA
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr%40yahoogroups.com>, "wb4jfi" <wb4jfi@> wrote:
> > > >
> > > > Follow-up:
> > > > I believe that the fix for having the filter shadow is pretty
> > simple. In my def UpdateFilterDisplay() code, near line 503, there is
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> > > > self.filter_pixels = (application.filterbw /
> > application.sample_rate....
> > > >
> > > > change the firt part of the equation to:

> > > > self.filter_pixels = ((application.filterbw / application.zoom) /
> > > > (note: you are adding the division of filter pixels by zoom value,
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> > > > Terry, WB4JFI
> > > >
> > > >
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> > > > > Sorry about that!
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> > with the shadow not following in the zoom feature. Searching around I
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> > finally agreed to the NOTE text it did not display neither graph nor
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> > more time and care.
> > > > > > mni tnx es 73
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> > > > > > DL7LA

> > > > > >
> > > > > >
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> > slightly different color background on the spectrum display, wherever
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> > (roughly) the bandwidth and modulation selected by the user. So, if
> > you have a 192kHz spectrum display on 40M, and are tuned to a signal
> > 3/4 up the display, listening to SSB with a 2.4kHz bandwidth, you will
> > see a slightly different color background starting at the tuned
> > frequency, and going down the scale approximately the received
> > bandwith amount.
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> > today. I have been adding this to Jim's code for a while now. Each
> > version he releases takes me a little time to spot all the changes
> > that I must make, as these changes must monitor the mode, bandwidth,
> > and display selected. It only takes a few minutes to make the mods.
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> > are changed, but the actual filter shadow code is only in quisk.py,
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> > > > > > > >
> > > > > > > > You can go to www.amrad.org, click on DSP&SDR on left, and
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>

263. Re: [Q] Filter Shadow Changes (Zoom)

Yahoo group: n2adr-sdr
Date: 2011-07-26 00:01:24 UTC
From: wb4jfi
Topic: 239 Message: 263

I thought the CW was the same as SSB, with a CWL and CWU for lower and upper. I can change it if necessary. It already straddles the tuned bandwidth for AM and FM (if FM is there, I forget).

Jim has indicated in the past that he prefers not to include it, as I mentioned a few days ago. It can use significant processing on marginal computers to "fill" the background. Plus, He said a while back that since I did not implement a "grab and drag" to be able to dynamically change bandwidth, he thought it would be confusing. Quisk is HIS software, so he gets to decide!

tnx.
Terry

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Terry,
>
> also running on my side now. For some reason i had to change the band before i saw the filter color. This made me do some trials with 3.5.4 and 3.5.2 before i had success ;)
> In CW the filter display does not seem to be correct.
> The tuning indicator needs to be in the middle of the filter for CW, right ?
> Probably your code is something Jim wants to include into his release. Did you already send him this nice stuff ?
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> >
> > It's up and running here, thanks.
> > 73 ... Sid.
> >
> > On 23/07/11 21:17, wb4jfi wrote:
> > >
> > > YES. I screwed up. New version, with mods, just uploaded to files.
> > > Enjoy.
> > > Terry
> > >
> > > --- In n2adr-sdr@...m <mailto:n2adr-sdr%40yahoogroups.com>,
> > > "Guenter DL7LA" <dl7la@> wrote:
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> > > > Terry,
> > > > tnx in advance. Could it be that your uploaded filter_quiskx.xyz got
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> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>

264. Filter shadow line color (should be red)

Yahoo group: n2adr-sdr
Date: 2011-07-26 03:58:43 UTC
From: wb4jfi
Topic: 264 Message: 264

Thanks to Detlef, who pointed out that I had accidentally changed the "tune line" to black, from its original red, when I put in my filter shadow mods. The line is red while tuning, but turns black when tuning stops... I get confused each time that I change that code, and added/subtracted/added lines too much there!

The fix is pretty easy. Around line 437 in my modified quisk.py file, there is a line that says:
dc.SetPen(wx.BLACK_PEN)
Comment that line out (put a # in front of it), or just delete that line. It should be immediately after a line (436):
dc.SetPen(self.tuningPen_Tx)

Line 436 sets the color correctly, I'm not sure why I changed it to black, probably some confusion earlier on. OF course, this may be an erroneous fix...

I will clear this up in the files section in the next day or so, and clean up my future mods.
tnx & 73s
Terry, WB4JFI

265. New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-01 07:57:16 UTC
From: Helmut Goebkes
Topic: 265 Message: 265

Hi Group,

A new firmware-update for the N2ADR/HiQSDR is available.
The firmware V 1.1 supports the new features of the HiQSDR-Module like
preselector-switching, Attenuator settings, Antenna switch a.s.o
the new HiQSDR Preselector/Preamp Board uses this lines for switching.
The firmware is tested with both versions and works without problems.
The New firmware is needed only if you use the improved features of the HiQSDR Board, but is compatible with the original N2ADR-Board as well.

Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new version is numberd 3.5.5.
Quisk has now a PTT-Button who can be used as remote TX control
and the separate hardware Key-Input and PTT input of the HiQSDR
is now supported.
The Hardware Key-Input is now only for CW-keying, the hardware
PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
The Attenuator has a separate button to select 0dB (pass-thru)
+10dB (Preamp on, this switches the Preamp @ Preselector-board)
or -10dB/-20dB/-30dB attenuation.
The valueas are editable via the quisk-config.py.
Also a separate button is available for antenna switching.
If the antenna switching does not work correctly, please replace
the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.

Please see Jim's notes below to Firmware / Quisk release:

73
Helmut, DB1CC

******

Quisk Version 3.5.5 July 2011
==========
These changes only affect the N2ADR 2010 transceiver and the improved version, the HiQSDR.

I moved all the files into a new package directory hiqsdr. The old n2adr directory has only the special files I use at my shack.
Please change your config file as follows:

```
from hiqsdr import quisk_hardware # Special hardware file
use_rx_udp = 1 # Use this for the N2ADR-2010
use_rx_udp = 2 # Use this for the HiQSDR
```

The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR. There is a new dictionary tx_level in the config file to set the transmit level. See quisk_conf_defaults.py for other features that can be set for the HiQSDR.

There is a new FPGA firmare version 1.1 available to support the new HiQSDR features. Note that your firmware version is shown on the Config screen. It is not necessary to update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines to work. If you do update your firmware, you must run Quisk 3.5.5 or later.

****

266. A look at Hermes

Yahoo group: n2adr-sdr
Date: 2011-08-01 09:58:57 UTC
From: Sid Boyce
Topic: 266 Message: 266

An interesting video. I'll have a look at HiQSDR later today to see how
it compares.

http://hpsdrhermes.blogspot.com/2011/07/hpsdr-hermes-spur-and-noise-level-tests.html
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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267. Re: [n2adr-sdr] New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-01 10:11:25 UTC
From: Sid Boyce
Topic: 265 Message: 267
Attachments: 1 described; binary payloads are missing from this source WARC

Looks like Jim has as expected been doing some great stuff.

I wonder what programmer is recommended? Looking at cheap there this
from Sparkfun Electronics which I hope I could use with a
USB-to-parallel cable..

Altera FPGA Compatible Programmer

sku: PGM-08705 <http://www.sparkfun.com/static/rohs/>

Description: The Altera Compatible Programmer is Sparkfun's version of
the Altera ByteBlaster Cable. There is a 25-pin D-Sub connector for a
PC and a 10-pin interface to the FPGA.

Note: The programmer does not come with the 10-pin IDC cable.

73 ... Sid.

On 01/08/11 08:57, Helmut Goebkes wrote:
>
> Hi Group,
>
> A new firmware-update for the N2ADR/HiQSDR is available.
> The firmware V 1.1 supports the new features of the HiQSDR-Module like
> preselector-switching, Attenuator settings, Antenna switch a.s.o
> the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> The firmware is tested with both versions and works without problems.
> The New firmware is needed only if you use the improved features of
> the HiQSDR Board, but is compatible with the original N2ADR-Board as well.
>
> Also, Jim programmed a new Version of Quisk to support the HiQSDR
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> Quisk has now a PTT-Button who can be used as remote TX control
> and the separate hardware Key-Input and PTT input of the HiQSDR
> is now supported.
> The Hardware Key-Input is now only for CW-keying, the hardware
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> The Attenuator has a separate button to select 0dB (pass-thru)
> +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> or -10dB/-20dB/-30dB attenuation.
> The valueas are editable via the quisk-config.py.
> Also a separate button is available for antenna switching.
> If the antenna switching does not work correctly, please replace

> the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.
>
> Please see Jim's notes below to Firmware / Quisk release:
>
> 73
> Helmut, DB1CC
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>
> Quisk Version 3.5.5 July 2011
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> HiQSDR features. Note that your firmware version is shown on the
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> use the HiQSDR and you want the new HiQSDR control lines
> to work. If you do update your firmware, you must run Quisk 3.5.5 or
> later.
>
> ****
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

268. Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-01 10:16:58 UTC
From: Sid Boyce
Topic: 268 Message: 268

This one looks like a more suitable device and connects via USB. At $79.00 probably preferred to the Sparkfun version.
http://microcontrollershop.com/product_info.php?products_id=244273 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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269. Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-01 11:01:07 UTC
From: Peter Horne
Topic: 268 Message: 269

There is also the EEblaster mentioned in the HiQSDR disak -:
http://www.entner-electronics.com/tl/index.php/eeblaster.html

I ahve one on order it costa 63euro including shipping.

73's
Peter G3JRH

270. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-01 12:13:38 UTC
From: Mario
Topic: 265 Message: 270

Hallo Helmut,

vielen Dank für den Hinweis.
Das ist ja klasse, dass alle Funktionen unterstützt werden.
PTT aus Quisk heraus ist auch nicht schlecht. Gab es eigentlich einen PTT Ausgang an der Frontend Platine ? Wahrscheinlich schon.
Ich bin noch am bestücken Deiner Platinen.

Gruß
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> A new firmware-update for the N2ADR/HiQSDR is available.
> The firmware V 1.1 supports the new features of the HiQSDR-Module like
> preselector-switching, Attenuator settings, Antenna switch a.s.o
> the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> The firmware is tested with both versions and works without problems.
> The New firmware is needed only if you use the improved features of the HiQSDR Board, but is compatible with the original N2ADR-Board as well.
>
>
> Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new version is numberd 3.5.5.
> Quisk has now a PTT-Button who can be used as remote TX control
> and the separate hardware Key-Input and PTT input of the HiQSDR
> is now supported.
> The Hardware Key-Input is now only for CW-keying, the hardware
> PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
> The Attenuator has a separate button to select 0dB (pass-thru)
> +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> or -10dB/-20dB/-30dB attenuation.
> The valueas are editable via the quisk-config.py.
> Also a separate button is available for antenna switching.
> If the antenna switching does not work correctly, please replace
> the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.
>
> Please see Jim's notes below to Firmware / Quisk release:
>
> 73
> Helmut, DB1CC
>
> ******
>

> Quisk Version 3.5.5 July 2011
> ============================
> These changes only affect the N2ADR 2010 transceiver and the improved version, the HiQSDR.
>
> I moved all the files into a new package directory hiqsdr. The old n2adr directory has only the special files I use at my shack.
> Please change your config file as follows:
>
> from hiqsdr import quisk_hardware # Special hardware file
> use_rx_udp = 1 # Use this for the N2ADR-2010
> use_rx_udp = 2 # Use this for the HiQSDR
>
> The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR. There is a new dictionary tx_level in the config file to set the transmit level. See quisk_conf_defaults.py for other features that can be set for the HiQSDR.
>
> There is a new FPGA firmare version 1.1 available to support the new HiQSDR features. Note that your firmware version is shown on the Config screen. It is not necessary to update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines
> to work. If you do update your firmware, you must run Quisk 3.5.5 or later.
>
> ****
>

271. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-01 12:37:21 UTC
From: Sid Boyce
Topic: 268 Message: 271

Thanks, I just ordered one.
49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
73 ... Sid.

On 01/08/11 12:01, Peter Horne wrote:
>
> There is also the EEblaster mentioned in the HiQSDR disak -:
> http://www.entner-electronics.com/tl/index.php/eeblaster.html
> I ahve one on order it costa 63euro including shipping.
> 73's
> Peter G3JRH
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

272. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-01 13:19:40 UTC
From: Karsten Schmidt
Topic: 268 Message: 272

The EEblaster works fine

73 Karsten

>
> -------- Original-Nachricht --------
> Datum: Mon, 01 Aug 2011 13:37:21 +0100
> Von: Sid Boyce <g3vbv@...>
> An: n2adr-sdr@yahoogroups.com
> Betreff: Re: [n2adr-sdr] Re: Altera Programmer
>
>
> Thanks, I just ordered one.
> 49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
> 73 ... Sid.
>
> On 01/08/11 12:01, Peter Horne wrote:
> >   There is also the EEblaster mentioned in
> > the HiQSDR disak -:
> > http://www.entner-electronics.com/tl/index.php/eeblaster.html
> > I ahve one on order it costa 63euro including shipping.
> >   73's Peter G3JRH
>
>
> --
Sid Boyce ... Hamradio License G3VBV, Licensed Private
> Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
> Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free
> Zone - Linux used for all Computing Tasks

--
NEU: FreePhone - 0ct/min Handyspartarif mit Geld-zurück-Garantie!
Jetzt informieren: http://www.gmx.net/de/go/freephone

273. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available / ELFCLASS64 err.

Yahoo group: n2adr-sdr
Date: 2011-08-01 17:06:42 UTC
From: Guenter DL7LA
Topic: 265 Message: 273

Hi, all,
trying to run quisk-3.5.5 I'm stuck at line 25 with
Import Error: ./ _quisk.so: wrong ELFCLASS: ELFCLASS64
Before contacting Jim: Anyone any ideas?
73
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> A new firmware-update for the N2ADR/HiQSDR is available.
> The firmware V 1.1 supports the new features of the HiQSDR-Module like
> preselector-switching, Attenuator settings, Antenna switch a.s.o
> the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> The firmware is tested with both versions and works without problems.
> The New firmware is needed only if you use the improved features of the HiQSDR Board, but
is compatible with the original N2ADR-Board as well.
>
>
> Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new
version is numberd 3.5.5.
> Quisk has now a PTT-Button who can be used as remote TX control
> and the separate hardware Key-Input and PTT input of the HiQSDR
> is now supported.
> The Hardware Key-Input is now only for CW-keying, the hardware
> PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
> The Attenuator has a separate button to select 0dB (pass-thru)
> +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> or -10dB/-20dB/-30dB attenuation.
> The valueas are editable via the quisk-config.py.
> Also a separate button is available for antenna switching.
> If the antenna switching does not work correctly, please replace
> the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.
>
> Please see Jim's notes below to Firmware / Quisk release:
>
> 73
> Helmut, DB1CC
>
> ******
>
> Quisk Version 3.5.5 July 2011

> ============================
> These changes only affect the N2ADR 2010 transceiver and the improved version, the HiQSDR.
>
> I moved all the files into a new package directory hiqsdr. The old n2adr directory has only the special files I use at my shack.
> Please change your config file as follows:
>
> from hiqsdr import quisk_hardware # Special hardware file
> use_rx_udp = 1 # Use this for the N2ADR-2010
> use_rx_udp = 2 # Use this for the HiQSDR
>
> The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR. There is a new dictionary tx_level in the config file to set the transmit level. See quisk_conf_defaults.py for other features that can be set for the HiQSDR.
>
> There is a new FPGA firmare version 1.1 available to support the new HiQSDR features. Note that your firmware version is shown on the Config screen. It is not necessary to update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines
> to work. If you do update your firmware, you must run Quisk 3.5.5 or later.
>
> ****
>

274. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available / ELFCLASS64 err.

Yahoo group: n2adr-sdr
Date: 2011-08-01 18:23:16 UTC
From: Mario
Topic: 265 Message: 274

Hi Guenter,

seems Jim has a new 64bit PC now.
I had same problem here.
You need to recompile typing "make" in the quisk directory.
Probably you need to install some more libraries as indicated at Jim's website.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Hi, all,
> trying to run quisk-3.5.5 I'm stuck at line 25 with
> Import Error: ./ _quisk.so: wrong ELFCLASS: ELFCLASS64
> Before contacting Jim: Anyone any ideas?
> 73
> Guenter
> DL7LA
>
>
> --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> >
> > Hi Group,
> >
> > A new firmware-update for the N2ADR/HiQSDR is available.
> > The firmware V 1.1 supports the new features of the HiQSDR-Module like
> > preselector-switching, Attenuator settings, Antenna switch a.s.o
> > the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> > The firmware is tested with both versions and works without problems.
> > The New firmware is needed only if you use the improved features of the HiQSDR Board, but is compatible with the original N2ADR-Board as well.
> >
> >
> > Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new version is numberd 3.5.5.
> > Quisk has now a PTT-Button who can be used as remote TX control
> > and the separate hardware Key-Input and PTT input of the HiQSDR
> > is now supported.
> > The Hardware Key-Input is now only for CW-keying, the hardware
> > PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
> > The Attenuator has a separate button to select 0dB (pass-thru)
> > +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> > or -10dB/-20dB/-30dB attenuation.

> > The valueas are editable via the quisk-config.py.
> > Also a separate button is available for antenna switching.
> > If the antenna switching does not work correctly, please replace
> > the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.
> >
> > Please see Jim's notes below to Firmware / Quisk release:
> >
> > 73
> > Helmut, DB1CC
> >
> > ******
> >
> > Quisk Version 3.5.5 July 2011
> > ============================
> > These changes only affect the N2ADR 2010 transceiver and the improved version, the HiQSDR.
> >
> > I moved all the files into a new package directory hiqsdr. The old n2adr directory has only the special files I use at my shack.
> > Please change your config file as follows:
> >
> > from hiqsdr import quisk_hardware # Special hardware file
> > use_rx_udp = 1 # Use this for the N2ADR-2010
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> >
> > The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR. There is a new dictionary tx_level in the config file to set the transmit level. See quisk_conf_defaults.py for other features that can be set for the HiQSDR.
> >
> > There is a new FPGA firmare version 1.1 available to support the new HiQSDR features. Note that your firmware version is shown on the Config screen. It is not necessary to update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines
> > to work. If you do update your firmware, you must run Quisk 3.5.5 or later.
> >
> > ****
> >
>

275. Re: New Quisk Version 3.55 / ELFCLASS64 error and portaudio

Yahoo group: n2adr-sdr
Date: 2011-08-01 18:45:53 UTC
From: Guenter DL7LA
Topic: 265 Message: 275

Hi, Mario,
right you are... what I had installed was the wrong portaudio version, it had to be the 1.9-dev package before it compiled OK. Tnx es 73
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Guenter,
>
> seems Jim has a new 64bit PC now.
> I had same problem here.
> You need to recompile typing "make" in the quisk directory.
> Probably you need to install some more libraries as indicated at Jim's website.
>
> regards
> Mario
>
>
> --- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@> wrote:
> >
> > Hi, all,
> > trying to run quisk-3.5.5 I'm stuck at line 25 with
> > Import Error: ./ _quisk.so: wrong ELFCLASS: ELFCLASS64
> > Before contacting Jim: Anyone any ideas?
> > 73
> > Guenter
> > DL7LA
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> > >
> > > Hi Group,
> > >
> > > A new firmware-update for the N2ADR/HiQSDR is available.
> > > The firmware V 1.1 supports the new features of the HiQSDR-Module like
> > > preselector-switching, Attenuator settings, Antenna switch a.s.o
> > > the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> > > The firmware is tested with both versions and works without problems.
> > > The New firmware is needed only if you use the improved features of the HiQSDR Board, but is compatible with the original N2ADR-Board as well.
> > >
> > >
> > > Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new version is numberd 3.5.5.

> > > Quisk has now a PTT-Button who can be used as remote TX control
> > > and the separate hardware Key-Input and PTT input of the HiQSDR
> > > is now supported.
> > > The Hardware Key-Input is now only for CW-keying, the hardware
> > > PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
> > > The Attenuator has a separate button to select 0dB (pass-thru)
> > > +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> > > or -10dB/-20dB/-30dB attenuation.
> > > The valueas are editable via the quisk-config.py.
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> > > Please see Jim's notes below to Firmware / Quisk release:
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> > > ******
> > >
> > > Quisk Version 3.5.5 July 2011
> > > ============================
> > > These changes only affect the N2ADR 2010 transceiver and the improved version, the
HiQSDR.
> > >
> > > I moved all the files into a new package directory hiqsdr. The old n2adr directory
has only the special files I use at my shack.
> > > Please change your config file as follows:
> > >
> > > from hiqsdr import quisk_hardware # Special hardware file
> > > use_rx_udp = 1 # Use this for the N2ADR-2010
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> > >
> > > The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR.
There is a new dictionary tx_level in the config file to set the transmit level. See
quisk_conf_defaults.py for other features that can be set for the HiQSDR.
> > >
> > > There is a new FPGA firmare version 1.1 available to support the new HiQSDR features.
Note that your firmware version is shown on the Config screen. It is not necessary to
update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines
> > > to work. If you do update your firmware, you must run Quisk 3.5.5 or later.
> > >
> > > ****
> > >
> >
>

276. Re: New Quisk Version 3.55 / ELFCLASS64 error and portaudio

Yahoo group: n2adr-sdr
Date: 2011-08-02 06:26:29 UTC
From: Helmut Goebkes
Topic: 265 Message: 276

Hi Mario, Hi Guenter,

i tested the 3.5.5 Prerelease Version last week without any problems.
I Installed 3.5.5 on two PC's, a AMD I965, 3200MHz under Windows7 Ultimate 64 Bit and Ubuntu 11.x, both up and running from the first time on.
On a second PC in my lab (an intel i5), the installation under Win7 32Bit runs also without problems.

73!
Helmut, DB1CC

277. Re: New Quisk Version 3.55 / ELFCLASS64 error and portaudio

Yahoo group: n2adr-sdr
Date: 2011-08-02 07:38:25 UTC
From: Mario
Topic: 265 Message: 277

Probably the need to recompile is just with Linux 32bit systems.
I had to recompile for my x64 PC before 3.5.5 as well.

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Mario, Hi Guenter,
>
> i tested the 3.5.5 Prerelease Version last week without any problems.
> I Installed 3.5.5 on two PC's, a AMD I965, 3200MHz under Windows7 Ultimate 64 Bit and Ubuntu 11.x, both up and running from the first time on.
> On a second PC in my lab (an intel i5), the installation under
> Win7 32Bit runs also without problems.
>
> 73!
> Helmut, DB1CC
>

278. Re: [n2adr-sdr] Re: New Quisk Version 3.55 / ELFCLASS64 error and portaudio

Yahoo group: n2adr-sdr
Date: 2011-08-02 15:38:30 UTC
From: Sid Boyce
Topic: 265 Message: 278

I have always recompiled. I have x86_64 boxes running openSUSE and Kubuntu.
When I ran quisk and HiQSDR on one openSUSE box, audio came in short
bursts, USB related. On the other openSUSE box and using the same type
of USB ethernet dongle, no problems.

Last night I fired up quisk-3.5.5 on the working box and it's fine.
When the EEBlaster arrives I'll have a go at uploading fgpa-1.1. I have
the Altera free software installed on openSUSE and have been having a
look around it. It's still not clear how to use it as there seems to be
no GUI. The files I have
total 52
-rw-r--r-- 1 root root 0 May 23 04:06 instanceguid.txt
-r-xr-xr-x 1 root root 2284 May 23 04:06 jtagconfig
-r-xr-xr-x 1 root root 2284 May 23 04:06 jtagd
-r-xr-xr-x 1 root root 2284 May 23 04:06 qcpfw
-r-xr-xr-x 1 root root 2284 May 23 04:06 qcse
-r-xr-xr-x 1 root root 2284 May 23 04:06 qpgmt
-r-xr-xr-x 1 root root 2284 May 23 04:06 qreg
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_cpf
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_jli
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_pgm
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_pgmw
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_stp
-r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_stpw
-r-xr-xr-x 1 root root 2284 May 23 04:06 tb2_install
Perhaps when I attach the EEBlaster all will come clear.
73 ... Sid.

On 02/08/11 08:38, Mario wrote:
>
> Probably the need to recompile is just with Linux 32bit systems.
> I had to recompile for my x64 PC before 3.5.5 as well.
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Helmut Goebkes" <hgoebkes@...> wrote:
> >
> > Hi Mario, Hi Guenter,
> >
> > i tested the 3.5.5 Prerelease Version last week without any problems.
> > I Installed 3.5.5 on two PC's, a AMD I965, 3200MHz under Windows7
> Ultimate 64 Bit and Ubuntu 11.x, both up and running from the first
> time on.
> > On a second PC in my lab (an intel i5), the installation under
> > Win7 32Bit runs also without problems.

> >
> > 73!
> > Helmut, DB1CC
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

279. Re: [n2adr-sdr] Re: New Quisk Version 3.55 / ELFCLASS64 error and portaudio

Yahoo group: n2adr-sdr
Date: 2011-08-02 23:50:41 UTC
From: Sid Boyce
Topic: 265 Message: 279

I went back to Altera's site, waded through and found the quartus installation manual and was able to compile fpga 1.1 on openSUSE 12.1.
73 ... Sid.

On 02/08/11 16:38, Sid Boyce wrote:
>
> I have always recompiled. I have x86_64 boxes running openSUSE and
> Kubuntu.
> When I ran quisk and HiQSDR on one openSUSE box, audio came in short
> bursts, USB related. On the other openSUSE box and using the same type
> of USB ethernet dongle, no problems.
>
> Last night I fired up quisk-3.5.5 on the working box and it's fine.
> When the EEBlaster arrives I'll have a go at uploading fgpa-1.1. I
> have the Altera free software installed on openSUSE and have been
> having a look around it. It's still not clear how to use it as there
> seems to be no GUI. The files I have
> total 52
> -rw-r--r-- 1 root root 0 May 23 04:06 instanceguid.txt
> -r-xr-xr-x 1 root root 2284 May 23 04:06 jtagconfig
> -r-xr-xr-x 1 root root 2284 May 23 04:06 jtagd
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> -r-xr-xr-x 1 root root 2284 May 23 04:06 qcse
> -r-xr-xr-x 1 root root 2284 May 23 04:06 qpgmt
> -r-xr-xr-x 1 root root 2284 May 23 04:06 qreg
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_cpf
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_jli
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_pgm
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_pgmw
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_stp
> -r-xr-xr-x 1 root root 2284 May 23 04:06 quartus_stpw
> -r-xr-xr-x 1 root root 2284 May 23 04:06 tb2_install
> Perhaps when I attach the EEBlaster all will come clear.
> 73 ... Sid.
>
> On 02/08/11 08:38, Mario wrote:
>
>> Probably the need to recompile is just with Linux 32bit systems.
>> I had to recompile for my x64 PC before 3.5.5 as well.
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, "Helmut Goebkes" <hgoebkes@...>
>> wrote:
>> >

>> > Hi Mario, Hi Guenter,
>> >
>> > i tested the 3.5.5 Prerelease Version last week without any problems.
>> > I Installed 3.5.5 on two PC's, a AMD I965, 3200MHz under Windows7
>> Ultimate 64 Bit and Ubuntu 11.x, both up and running from the first
>> time on.
>> > On a second PC in my lab (an intel i5), the installation under
>> > Win7 32Bit runs also without problems.
>> >
>> > 73!
>> > Helmut, DB1CC
>> >
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

281. HiQSDR informations

Yahoo group: n2adr-sdr
Date: 2011-08-05 05:47:21 UTC
From: Helmut Goebkes
Topic: 280 Message: 281

Hi Group,

to make it easier für you to get all informations / docs
about N2ADR / HiQSDR, i setup two internet domains:

www.hiqsdr.de and www.hiqsdr.org

Here you will find the aktual files, circuits, links and informations
about the N2ADR/HiQSDR DDC/DUC Transceiver for download / review
additionally to this yahoo-group.

best regards & 73!

Helmut, DB1CC

282. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-05 22:26:12 UTC
From: Sid Boyce
Topic: 268 Message: 282

My EEBlaster was delivered today.
It seems I would need an adapter to hook it up to the HiQSDR. I've
checked the RS Components site but couldn't find any connector of the type.
73 ... Sid.

On 01/08/11 14:19, Karsten Schmidt wrote:
>
> The EEblaster works fine
>
> 73 Karsten
>
>> -------- Original-Nachricht --------
>> Datum: Mon, 01 Aug 2011 13:37:21 +0100
>> Von: Sid Boyce <g3vbv@...>
>> An: n2adr-sdr@yahoogroups.com
>> Betreff: Re: [n2adr-sdr] Re: Altera Programmer
>>
>> Thanks, I just ordered one.
>> 49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
>> 73 ... Sid.
>>
>> On 01/08/11 12:01, Peter Horne wrote:
>>
>>> There is also the EEblaster mentioned in the HiQSDR disak -:
>>> http://www.entner-electronics.com/tl/index.php/eeblaster.html
>>> I ahve one on order it costa 63euro including shipping.
>>> 73's
>>> Peter G3JRH
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
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283. Re: [n2adr-sdr] HiQSDR so far great

Yahoo group: n2adr-sdr
Date: 2011-08-05 22:45:09 UTC
From: Sid Boyce
Topic: 217 Message: 283

I have one box running fine with the AMDtek USB ethernet. BTW the driver
is the dm9601 not the pegasus.
Connecting so far to 2 other PC's and a laptop with these adapters, I
seem to be getting a lack of bandwidth problem.
It's as though the USB system or powered hub, where used, isn't able to
keep up with the rate and both audio and the graph are extremely jerky.
So one box is OK and 3 not OK.
I've got a spare D-Link DGE-528T Gigabit card I'll try in one of the
boxes tomorrow.
73 ... Sid.

On 16/07/11 13:59, Sid Boyce wrote:
>
> I had to use a USB ethernet adapter for the 192.168.2 subnet.
> From lusub.
> Bus 001 Device 011: ID 07a6:8515 ADMtek, Inc. AN8515 Ethernet
> It uses the pegasus driver.
> tindog:~ # lsmod|grep pegasus
> pegasus 23480 0
> mii 13981 2 pegasus,r8169
> usbcore 145725 5 pegasus,rtl8187,usbhid,ohci_hcd,ehci_hcd
>
> OS is openSUSE 11.4 Milestone 3 with my vanilla kernel 3.0.0-rc7-smp.
>
> I have my 2-el Quad fed into Bu1, no filters.
> Listening on 20m is clean and I've never seen such a clean graph output
> on any of the Softrock gear- No spurs.
>
> quisk-3.5.4, sample_rate = 192000.
>
> Next steps, some BPF's and RX/TX switching. I already have a 5W FET PA
> from a project of over 20 years ago + LPF's and 140W/300W PA's for later.
> Very impressive indeed.
> 73 ... Sid.
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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284. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 08:25:22 UTC
From: Peter Horne
Topic: 268 Message: 284

Hi Sid, You will need to make an adapter lead. The mating part for the board connector is RS part number 301-8098, you will need a 2x5 pin header to mate with the EEblaster, RS part number 251-8143. I'm not sure why Helmut used a non-standard JTAG connector on the HiQSDR board.
73's
Peter G3JRH
----- Original Message -----
From: Sid Boyce
To: n2adr-sdr@yahoogroups.com
Sent: Friday, August 05, 2011 11:26 PM
Subject: Re: [n2adr-sdr] Re: Altera Programmer

My EEBlaster was delivered today.
It seems I would need an adapter to hook it up to the HiQSDR. I've checked the RS Components site but couldn't find any connector of the type.
73 ... Sid.

On 01/08/11 14:19, Karsten Schmidt wrote:

The EEblaster works fine

73 Karsten

-------- Original-Nachricht --------
Datum: Mon, 01 Aug 2011 13:37:21 +0100
Von: Sid Boyce <g3vbv@blueyonder.co.uk>
An: n2adr-sdr@yahoogroups.com
Betreff: Re: [n2adr-sdr] Re: Altera Programmer

Thanks, I just ordered one.
49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
73 ... Sid.

On 01/08/11 12:01, Peter Horne wrote:

There is also the EEblaster mentioned in the HiQSDR disak -:
http://www.entner-electronics.com/tl/index.php/eeblaster.html

I ahve one on order it costa 63euro including shipping.

73's
Peter G3JRH

--
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285. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 10:56:14 UTC
From: Sid Boyce
Topic: 268 Message: 285

Thanks, I have just ordered them. I spent the better part of half an
hour yesterday on the site and every other connector showed up but these.
73 ... Sid.

On 06/08/11 09:25, Peter Horne wrote:
>
> Hi Sid, You will need to make an adapter lead. The mating part for the
> board connector is RS part number 301-8098, you will need a 2x5 pin
> header to mate with the EEblaster, RS part number 251-8143. I'm not
> sure why Helmut used a non-standard JTAG connector on the HiQSDR board.
> 73's
> Peter G3JRH
>
> ----- Original Message -----
> *From:* Sid Boyce <mailto:g3vbv@...>
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Sent:* Friday, August 05, 2011 11:26 PM
> *Subject:* Re: [n2adr-sdr] Re: Altera Programmer
>
> My EEBlaster was delivered today.
> It seems I would need an adapter to hook it up to the HiQSDR. I've
> checked the RS Components site but couldn't find any connector of
> the type.
> 73 ... Sid.
>
> On 01/08/11 14:19, Karsten Schmidt wrote:
>
>> The EEblaster works fine
>>
>> 73 Karsten
>>
>>> -------- Original-Nachricht --------
>>> Datum: Mon, 01 Aug 2011 13:37:21 +0100
>>> Von: Sid Boyce <g3vbv@...>
>>> An: n2adr-sdr@yahoogroups.com
>>> Betreff: Re: [n2adr-sdr] Re: Altera Programmer
>>>
>>> Thanks, I just ordered one.
>>> 49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
>>> 73 ... Sid.
>>>
>>> On 01/08/11 12:01, Peter Horne wrote:
>>>
>>>> There is also the EEblaster mentioned in the HiQSDR disak -:
>>>> http://www.entner-electronics.com/tl/index.php/eeblaster.html

>>>> I ahve one on order it costa 63euro including shipping.
>>>> 73's
>>>> Peter G3JRH
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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286. Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 11:31:48 UTC
From: Helmut Goebkes
Topic: 268 Message: 286

Hi Sid, Hi Peter

i used for FPGA programming also a 10-pole micromatch
connector becvaus the "Standard" 2x5 Pin JTAG was too large
to fit the board.
You can use a simple 1:1 pin connector, the pinning is identical.

73!
Helmut, DB1CC

287. AW: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 11:51:08 UTC
From: Dr. Karsten Schmidt
Topic: 268 Message: 287

Hi Sid,

i just put a micromatch male connector on the ribbon cable, just behind the standard 2x5 connector, simple and it works J

73 karsten

Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag von Sid Boyce
Gesendet: Samstag, 6. August 2011 00:26
An: n2adr-sdr@yahoogroups.com
Betreff: Re: [n2adr-sdr] Re: Altera Programmer

My EEBlaster was delivered today.
It seems I would need an adapter to hook it up to the HiQSDR. I've checked the RS Components site but couldn't find any connector of the type.
73 ... Sid.

On 01/08/11 14:19, Karsten Schmidt wrote:

The EEblaster works fine

73 Karsten

-------- Original-Nachricht --------
Datum: Mon, 01 Aug 2011 13:37:21 +0100
Von: Sid Boyce <mailto:g3vbv@...> <g3vbv@...>
An: n2adr-sdr@yahoogroups.com
Betreff: Re: [n2adr-sdr] Re: Altera Programmer

Thanks, I just ordered one.
49 Euro + 19% VAT + 15 Euro shipping - Total 73.60 Euro.
73 ... Sid.

On 01/08/11 12:01, Peter Horne wrote:

There is also the EEblaster mentioned in the HiQSDR disak -:

http://www.entner-electronics.com/tl/index.php/eeblaster.html

I ahve one on order it costa 63euro including shipping.

73's

Peter G3JRH

--
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288. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 12:33:15 UTC
From: Sid Boyce
Topic: 268 Message: 288

Thanks guys,
I've already ordered the parts Peter recommended, due to be collected on Monday.
73 ... Sid.

On 06/08/11 12:31, Helmut Goebkes wrote:
>
> Hi Sid, Hi Peter
>
> i used for FPGA programming also a 10-pole micromatch
> connector becvaus the "Standard" 2x5 Pin JTAG was too large
> to fit the board.
> You can use a simple 1:1 pin connector, the pinning is identical.
>
> 73!
> Helmut, DB1CC
>
>

--
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289. Re: [n2adr-sdr] Re: Altera Programmer

Yahoo group: n2adr-sdr
Date: 2011-08-06 15:42:54 UTC
From: Peter Horne
Topic: 268 Message: 289

Hi Helmut, Thanks for the update.
73's
Peter G3JRH
----- Original Message -----
From: Helmut Goebkes
To: n2adr-sdr@yahoogroups.com
Sent: Saturday, August 06, 2011 12:31 PM
Subject: [n2adr-sdr] Re: Altera Programmer

Hi Sid, Hi Peter

i used for FPGA programming also a 10-pole micromatch
connector becvaus the "Standard" 2x5 Pin JTAG was too large
to fit the board.
You can use a simple 1:1 pin connector, the pinning is identical.

73!
Helmut, DB1CC

290. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-12 05:12:25 UTC
From: Mario
Topic: 265 Message: 290

Hi,

yesterday i flashed a new FPGA image (version 1.1) to my N2ADR board.
In general it works fine.
When i switched the hardware to mode 2 (HiQSDR) i was wondering, why QUISK stopped decoding immediately after starting. Then i noticed that i need to press the FDX butten when SSB is selected. Could it be that FDX and PTT buttons are swapped ? I did not change anything else in QUISK or in the FPGA design.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> A new firmware-update for the N2ADR/HiQSDR is available.
> The firmware V 1.1 supports the new features of the HiQSDR-Module like
> preselector-switching, Attenuator settings, Antenna switch a.s.o
> the new HiQSDR Preselector/Preamp Board uses this lines for switching.
> The firmware is tested with both versions and works without problems.
> The New firmware is needed only if you use the improved features of the HiQSDR Board, but is compatible with the original N2ADR-Board as well.
>
>
> Also, Jim programmed a new Version of Quisk to support the HiQSDR features. the new version is numberd 3.5.5.
> Quisk has now a PTT-Button who can be used as remote TX control
> and the separate hardware Key-Input and PTT input of the HiQSDR
> is now supported.
> The Hardware Key-Input is now only for CW-keying, the hardware
> PTT is only for non-CW-modes so it is not longer necessary to use the CW-Key as PTT.
> The Attenuator has a separate button to select 0dB (pass-thru)
> +10dB (Preamp on, this switches the Preamp @ Preselector-board)
> or -10dB/-20dB/-30dB attenuation.
> The valueas are editable via the quisk-config.py.
> Also a separate button is available for antenna switching.
> If the antenna switching does not work correctly, please replace
> the relay driver T4 (BCR148W) with a BSS138, some BCR148W makes problems.
>
> Please see Jim's notes below to Firmware / Quisk release:
>
> 73
> Helmut, DB1CC
>
> ******

>
> Quisk Version 3.5.5 July 2011
> ============================
> These changes only affect the N2ADR 2010 transceiver and the improved version, the HiQSDR.
>
> I moved all the files into a new package directory hiqsdr. The old n2adr directory has only the special files I use at my shack.
> Please change your config file as follows:
>
> from hiqsdr import quisk_hardware # Special hardware file
> use_rx_udp = 1 # Use this for the N2ADR-2010
> use_rx_udp = 2 # Use this for the HiQSDR
>
> The sample config file quisk_conf.py in hiqsdr can be used as is for the HiQSDR. There is a new dictionary tx_level in the config file to set the transmit level. See quisk_conf_defaults.py for other features that can be set for the HiQSDR.
>
> There is a new FPGA firmare version 1.1 available to support the new HiQSDR features. Note that your firmware version is shown on the Config screen. It is not necessary to update your firmware unless you use the HiQSDR and you want the new HiQSDR control lines
> to work. If you do update your firmware, you must run Quisk 3.5.5 or later.
>
> ****
>

291. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-12 05:45:10 UTC
From: Helmut Goebkes
Topic: 265 Message: 291

Hi Mario,

it looks like that you activeted any PTT (external on HiQSDR
or via Software) to make HiQSDR to transmit.
If PTT is activeated, Quisk stops decoding except you press the FDX button for full-duplex operation.
The only difference in PTT/CW behaviour between Quisk 3.5.4 and
3.5.5 and Firmware 1.0 and Firmware 1.1 is, that the PTT and CW-Key
connections at HiQSDR (in Hardware) bound to their corresponding Modes.
That means, that CW-Key activeates transmitter only in CW modes, all other modes needs the PTT-connections to be active for transmission.
The PTT-Button in QUISK 3.5.5 switches always to transmit, independent
of the selected Mode.

Mario, pse check you PTT connections, it seems that you are in transmission...

73
Helmut, DB1CC

292. Re: New Quisk Version 3.55 / New Firmware for HiQSDR available

Yahoo group: n2adr-sdr
Date: 2011-08-12 07:23:05 UTC
From: Mario
Topic: 265 Message: 292

Hi Helmut,

thanks for the fast reply.
Your comments seem logic. I will check the connection of the PTT input.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Mario,
>
> it looks like that you activeted any PTT (external on HiQSDR
> or via Software) to make HiQSDR to transmit.
> If PTT is activeated, Quisk stops decoding except you press the FDX button for
full-duplex operation.
> The only difference in PTT/CW behaviour between Quisk 3.5.4 and
> 3.5.5 and Firmware 1.0 and Firmware 1.1 is, that the PTT and CW-Key
> connections at HiQSDR (in Hardware) bound to their corresponding Modes.
> That means, that CW-Key activeates transmitter only in CW modes, all other modes needs
the PTT-connections to be active for transmission.
> The PTT-Button in QUISK 3.5.5 switches always to transmit, independent
> of the selected Mode.
>
> Mario, pse check you PTT connections, it seems that you are in transmission...
>
> 73
> Helmut, DB1CC
>

293. Help - Programming the HiQSDR FPGA

Yahoo group: n2adr-sdr
Date: 2011-08-12 20:14:11 UTC
From: Sid Boyce
Topic: 293 Message: 293
Attachments: 1 described; binary payloads are missing from this source WARC

Anyone using Linux to program the FPGA with v1.1?
using a USB-Blaster or EEBlaster with adapter cable in X4, COM/Target
light doesn't come on.
Perhaps someone can spot something in the accompanying screenshot.

There is a linux directory but no linux64.

```
tindog:~ # ls ~/altera/11.0/
altera_inspector.log.zip altera_installer_11.0.log installer ip
modelsim_ase nios2eds qprogrammer quartus
tindog:~ # ls ~/altera/11.0/quartus/
adm common dspba dsp_lic.txt gpl_lic.txt ip_lic.txt
license.txt lmf perl-5.8.8
.quartus_free_existing_files.txt readme.txt space.txt
bin cusp dsp_builder eda install_11.0_log.txt libraries
linux nios2_lic.txt qdesigns
.quartus_free_install_files.txt sopc_builder version.txt
tindog:~ # ls ~/altera/11.0/quartus/bin/
altgx_diffmifgen dmf_ver mif2hex qbnl qmegawizq qred
quartus quartus_cmd quartus_eda quartus_jbcc quartus_pgm
quartus_prw quartus_si quartus_staw quartus_tan tclsh
altgx_mifgen jtagconfig pll_cmd qcmd qpgmt qreg
quartus_asm quartus_cpf quartus_fit quartus_jli quartus_pgmw
quartus_rpp quartus_sim quartus_stp qwed uniphy_mcc
clearbox jtagd qatc qmegawiz qppl qsme
quartus_cdb quartus_drc quartus_g2b quartus_map quartus_pow
quartus_sh quartus_sta quartus_stpw tb2_install wish
tindog:~ #

tindog:~ # quartus&
[1] 31460
tindog:~ # *** The Quartus II software cannot be started because the
current platform,
'linux64', does not appear to be installed in:
'/root/altera/11.0/quartus'.

*** The Quartus II software cannot be started because the current platform,
'linux64', does not appear to be installed in:
'/root/altera/11.0/quartus'.

*** The Quartus II software cannot be started because the current platform,
'linux64', does not appear to be installed in:
'/root/altera/11.0/quartus'.
```

```
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'/root/altera/11.0/quartus'.
73 ... Sid.
--
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294. Re: Help - Programming the HiQSDR FPGA

Yahoo group: n2adr-sdr
Date: 2011-08-15 15:46:27 UTC
From: Sid Boyce
Topic: 293 Message: 294

Thanks Jim,
I shall borrow a XP laptop to try with 11.0_quartus_free_windows.exe.
73 ... Sid.

On 15/08/11 14:54, James Ahlstrom wrote:
> On 8/12/2011 4:14 PM, Sid Boyce wrote:
>> Anyone using Linux to program the FPGA with v1.1?
> I am not using Linux, but I had a problem on Windows 7 where the
> programmer would
> not work because it claimed to have no hardware. That is, it did not
> find the
> Terasic USB programming device. This was on Altera WebEdition 11.0.
>
> I fixed this by turning off Windows Firewall (not sure this is
> necessary) and then
> installing Altera's free stand-alone programmer. The URL is
>
> www.altera.com/download/programming/quartus2/pq2-index.jsp
>
> If the issue is just programming the FPGA, maybe this is a work-around.
>
> It seems Altera 11.0 is not quite ready for 64-bit systems. It is
> true that
> 11.0 is a 32-bit program, but it should run on 64-bit Windows if the
> correct
> drivers are present. I currently have it working on my new i5 Windows
> 7 computer.
>
> Jim Ahlstrom
> N2ADR
>

--
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Senior Staff Specialist, Cricket Coach
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295. Re: [n2adr-sdr] Help - Programming the HiQSDR FPGA

Yahoo group: n2adr-sdr
Date: 2011-08-18 20:50:48 UTC
From: Sid Boyce
Topic: 293 Message: 295

Using XP, the Programmer Window is as shown below.

```
Programmer - H:/Transceiver/Transceiver - [Transceiver.cdf]*
------------------------------------------------------------------------------------------
------------
Hardware Setup USB-Blaster [USB-1] Mode: JTAG
Progress: (Failed)
File Device Checksum Usercode
Program/Configure (rest unticked)
Transceiver.sof EP3C25Q240 00AEFE6E FFFFFFFF (ticked)
|------------------|
TDI ----------> |------------------> TDO
|------------------|
EP3C25Q240
```

When I click on "Start" the EEBlaster "Prog" light flashes and "Failed"
appears in the Progress box.
Are there any discrepancies seen in the above setup -
File/Checksum/Usercode?
73 ... Sid.

On 12/08/11 21:14, Sid Boyce wrote:
> Anyone using Linux to program the FPGA with v1.1?
> using a USB-Blaster or EEBlaster with adapter cable in X4, COM/Target
> light doesn't come on.
> Perhaps someone can spot something in the accompanying screenshot.
>
> There is a linux directory but no linux64.
>
> tindog:~ # ls ~/altera/11.0/
> altera_inspector.log.zip altera_installer_11.0.log installer ip
> modelsim_ase nios2eds qprogrammer quartus
> tindog:~ # ls ~/altera/11.0/quartus/
> adm common dspba dsp_lic.txt gpl_lic.txt ip_lic.txt
> license.txt lmf perl-5.8.8
> .quartus_free_existing_files.txt readme.txt space.txt
> bin cusp dsp_builder eda install_11.0_log.txt libraries
> linux nios2_lic.txt qdesigns
> .quartus_free_install_files.txt sopc_builder version.txt
> tindog:~ # ls ~/altera/11.0/quartus/bin/
> altgx_diffmifgen dmf_ver mif2hex qbnl qmegawizq qred
> quartus quartus_cmd quartus_eda quartus_jbcc quartus_pgm
> quartus_prw quartus_si quartus_staw quartus_tan tclsh
> altgx_mifgen jtagconfig pll_cmd qcmd qpgmt qreg
> quartus_asm quartus_cpf quartus_fit quartus_jli quartus_pgmw

> quartus_rpp quartus_sim quartus_stp qwed uniphy_mcc
> clearbox jtagd qatc qmegawiz qppl qsme
> quartus_cdb quartus_drc quartus_g2b quartus_map quartus_pow
> quartus_sh quartus_sta quartus_stpw tb2_install wish
> tindog:~ #
>
> tindog:~ # quartus&
> [1] 31460
> tindog:~ # *** The Quartus II software cannot be started because the
> current platform,
> 'linux64', does not appear to be installed in:
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> *** The Quartus II software cannot be started because the current
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> 'linux64', does not appear to be installed in:
> '/root/altera/11.0/quartus'.
> 73 ... Sid.
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

296. Congratulations on *NEW* HiQSDR PRESENTATION

Yahoo group: n2adr-sdr
Date: 2011-08-19 14:21:56 UTC
From: Ken N9VV
Topic: 296 Message: 296

Dear Helmut,
CONGRATULATIONS on your new HiQSDR presentation

http://hiqsdr.finken-net.de/html/present.htm

danke danke,
73 de Ken N9VV
--

297. Re: [n2adr-sdr] Help - Programming the HiQSDR FPGA

Yahoo group: n2adr-sdr
Date: 2011-08-19 21:05:29 UTC
From: Sid Boyce
Topic: 293 Message: 297

```
Doing some command line stuff as shown at
http://www.g3ukb.co.uk/altera.html. I'm not sure exactly what this
signifies.
-------------------------------------------------------------------------------------------
---------------------------------------
slipstream:/home/lancelot/ftp/aug11/TRANSCEIVER/Transceiver #
quartus_pgm -c USB-Blaster Transceiver.cdf
Info: *******************************************************************
Info: Running Quartus II Programmer
Info: Version 11.0 Build 157 04/27/2011 SJ Web Edition
Info: Copyright (C) 1991-2011 Altera Corporation. All rights reserved.
Info: Your use of Altera Corporation's design tools, logic functions
Info: and other software and tools, and its AMPP partner logic
Info: functions, and any output files from any of the foregoing
Info: (including device programming or simulation files), and any
Info: associated documentation or information are expressly subject
Info: to the terms and conditions of the Altera Program License
Info: Subscription Agreement, Altera MegaCore Function License
Info: Agreement, or other applicable license agreement, including,
Info: without limitation, that your use is for the sole purpose of
Info: programming logic devices manufactured by Altera and sold by
Info: Altera or its authorized distributors. Please refer to the
Info: applicable agreement for further details.
Info: Processing started: Fri Aug 19 21:47:58 2011
Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
Info: Using programming cable "USB-Blaster [1-6.3]"
Info: Using programming file C:/Documents and Settings/Jim/My
Documents/Altera/Transceiver/Transceiver.pof with checksum 0x1C0369E0
for device EPCS16@1
Info: Started Programmer operation at Fri Aug 19 21:47:59 2011
Info: Device 1 silicon ID is 0x14
Info: Erasing ASP configuration device(s)
Info: Programming device 1
Info: Device 1 silicon ID is 0x14
Info: Successfully performed operation(s)
Info: Ended Programmer operation at Fri Aug 19 21:48:12 2011
Info: Quartus II Programmer was successful. 0 errors, 0 warnings
Info: Peak virtual memory: 91 megabytes
Info: Processing ended: Fri Aug 19 21:48:12 2011
Info: Elapsed time: 00:00:14
Info: Total CPU time (on all processors): 00:00:01
slipstream:/home/lancelot/ftp/aug11/TRANSCEIVER/Transceiver #
73 ... Sid.
```

```
On 18/08/11 21:50, Sid Boyce wrote:
>
> Using XP, the Programmer Window is as shown below.
>
> Programmer - H:/Transceiver/Transceiver - [Transceiver.cdf]*
> ------------------------------------------------------------------------------------------
--------------
> Hardware Setup USB-Blaster [USB-1] Mode: JTAG
> Progress: (Failed)
> File Device Checksum Usercode
> Program/Configure (rest unticked)
> Transceiver.sof EP3C25Q240 00AEFE6E FFFFFFFF (ticked)
> |------------------|
> TDI ----------> |------------------> TDO
> |------------------|
> EP3C25Q240
>
> When I click on "Start" the EEBlaster "Prog" light flashes and
> "Failed" appears in the Progress box.
> Are there any discrepancies seen in the above setup -
> File/Checksum/Usercode?
> 73 ... Sid.
>
> On 12/08/11 21:14, Sid Boyce wrote:
>
>> Anyone using Linux to program the FPGA with v1.1?
>> using a USB-Blaster or EEBlaster with adapter cable in X4, COM/Target
>> light doesn't come on.
>> Perhaps someone can spot something in the accompanying screenshot.
>>
>> There is a linux directory but no linux64.
>>
>> tindog:~ # ls ~/altera/11.0/
>> altera_inspector.log.zip altera_installer_11.0.log installer ip
>> modelsim_ase nios2eds qprogrammer quartus
>> tindog:~ # ls ~/altera/11.0/quartus/
>> adm common dspba dsp_lic.txt gpl_lic.txt ip_lic.txt
>> license.txt lmf perl-5.8.8
>> .quartus_free_existing_files.txt readme.txt space.txt
>> bin cusp dsp_builder eda install_11.0_log.txt libraries
>> linux nios2_lic.txt qdesigns
>> .quartus_free_install_files.txt sopc_builder version.txt
>> tindog:~ # ls ~/altera/11.0/quartus/bin/
>> altgx_diffmifgen dmf_ver mif2hex qbnl qmegawizq qred
>> quartus quartus_cmd quartus_eda quartus_jbcc quartus_pgm
>> quartus_prw quartus_si quartus_staw quartus_tan tclsh
>> altgx_mifgen jtagconfig pll_cmd qcmd qpgmt qreg
>> quartus_asm quartus_cpf quartus_fit quartus_jli quartus_pgmw
>> quartus_rpp quartus_sim quartus_stp qwed uniphy_mcc
>> clearbox jtagd qatc qmegawiz qppl qsme
>> quartus_cdb quartus_drc quartus_g2b quartus_map quartus_pow
```

```
>> quartus_sh quartus_sta quartus_stpw tb2_install wish
>> tindog:~ #
>>
>> tindog:~ # quartus&
>> [1] 31460
>> tindog:~ # *** The Quartus II software cannot be started because the
>> current platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>>
>> *** The Quartus II software cannot be started because the current
>> platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>>
>> *** The Quartus II software cannot be started because the current
>> platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>>
>> *** The Quartus II software cannot be started because the current
>> platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>>
>> *** The Quartus II software cannot be started because the current
>> platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>>
>> *** The Quartus II software cannot be started because the current
>> platform,
>> 'linux64', does not appear to be installed in:
>> '/root/altera/11.0/quartus'.
>> 73 ... Sid.
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
```

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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298. group deathly silent

Yahoo group: n2adr-sdr
Date: 2011-08-24 15:31:32 UTC
From: Sid Boyce
Topic: 298 Message: 298

Perhaps everyone is on holiday.
Having got the RS Components 301-8098 PCB micro plugs I discovered
yesterday that they stock the IDC plugs 301-8133.

I did get the FPGA pogrammed successfully under Linux with the command line.
slipstream:/home/lancelot/ftp/aug11/TRANSCEIVER/Transceiver #
quartus_pgm -c USB-Blaster Transceiver.cdf

I heard from Jim "The Mode should be "Active Serial Programming". And
the device is EPCS16, the flash chip."
Just before I heard from Jim I did some more reading of the Altera
manuals and realised from a table that JTAG was not correct.
That was my problem under both XP and Linux.
BTW the GUI on Linux and XP are identical.

Making a symlink of linux64 to linux cured the message that there was no
linux64 directory on this platform.
slipstream:~/altera/11.0/quartus # ls -l linux64
lrwxrwxrwx 1 root root 5 Aug 18 21:53 linux64 -> linux

So far other stuff done.
* Built a +6V LM338T supply (5A) to allow elbow room for add-ons.

* Took a 10W PA from a transceiver I built in 1983, wired up to be
tested with signal generator and dummy load hopefully tomorrow.

* A tunable preselector for 160m - 10m also from the old transceiver
project to be wired in.

* A AN762 PA with LPF's needs wiring up the vacuum switches for RXTX.

* A EB104 PA to be biassed. Q2 blew apart when biassing it, now replaced.

*** The USB ethernet dongle seems to have died and 3 others I have tried
don't seem to be capable of handling the throughput. they all cause
short splotches of sound, so are not usable.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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299. Re: [n2adr-sdr] group deathly silent

Yahoo group: n2adr-sdr
Date: 2011-08-24 16:22:33 UTC
From: Rob Frohne
Topic: 298 Message: 299
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks for the details on the programming. I need to get back to my
board design. I got sidetracked.

73,

Rob
KL7NA

On 08/24/2011 08:31 AM, Sid Boyce wrote:
>
> Perhaps everyone is on holiday.
> Having got the RS Components 301-8098 PCB micro plugs I discovered
> yesterday that they stock the IDC plugs 301-8133.
>
> I did get the FPGA pogrammed successfully under Linux with the command
> line.
> slipstream:/home/lancelot/ftp/aug11/TRANSCEIVER/Transceiver #
> quartus_pgm -c USB-Blaster Transceiver.cdf
>
> I heard from Jim "The Mode should be "Active Serial Programming". And
> the device is EPCS16, the flash chip."
> Just before I heard from Jim I did some more reading of the Altera
> manuals and realised from a table that JTAG was not correct.
> That was my problem under both XP and Linux.
> BTW the GUI on Linux and XP are identical.
>
> Making a symlink of linux64 to linux cured the message that there was no
> linux64 directory on this platform.
> slipstream:~/altera/11.0/quartus # ls -l linux64
> lrwxrwxrwx 1 root root 5 Aug 18 21:53 linux64 -> linux
>
> So far other stuff done.
> * Built a +6V LM338T supply (5A) to allow elbow room for add-ons.
>
> * Took a 10W PA from a transceiver I built in 1983, wired up to be
> tested with signal generator and dummy load hopefully tomorrow.
>
> * A tunable preselector for 160m - 10m also from the old transceiver
> project to be wired in.
>
> * A AN762 PA with LPF's needs wiring up the vacuum switches for RXTX.
>
> * A EB104 PA to be biassed. Q2 blew apart when biassing it, now replaced.
>
> *** The USB ethernet dongle seems to have died and 3 others I have tried

> don't seem to be capable of handling the throughput. they all cause
> short splotches of sound, so are not usable.
> 73 ... Sid.
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>
>

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

300. Yahoo Wierdness

Yahoo group: n2adr-sdr
Date: 2011-08-24 18:16:27 UTC
From: wb4jfi
Topic: 300 Message: 300

I just received a Yahoo Update message saying that I just uploaded some new images. Only, I haven't. It's been over a month or more since I've uploaded any pictures.....

I'm going through some house work right now, but plan to update the latest Quisk version with the filter shadow when I can. At least, if there is interest in that!
Terry, WB4JFI

301. Re: Yahoo Wierdness

Yahoo group: n2adr-sdr
Date: 2011-08-24 18:51:10 UTC
From: Mario
Topic: 300 Message: 301

I have the impression Yahoo Groups has some serious problems. In another group some messages got lost.

regards
Mario

--- In n2adr-sdr@...m, "wb4jfi" <wb4jfi@...> wrote:
>
> I just received a Yahoo Update message saying that I just uploaded some new images. Only, I haven't. It's been over a month or more since I've uploaded any pictures.....
>
> I'm going through some house work right now, but plan to update the latest Quisk version with the filter shadow when I can. At least, if there is interest in that!
> Terry, WB4JFI
>

302. Re: [n2adr-sdr] group deathly silent

Yahoo group: n2adr-sdr
Date: 2011-08-24 22:04:54 UTC
From: Sid Boyce
Topic: 298 Message: 302

No problem Rob,
Though it's easy, the documentation is scattered around several manuals
and in parts it leaves you still short of fully worked out examples
needed for a full understanding.
Perhaps it's intentional, encouraging enrolment in a course.
In the good old days we at Amdahl used to offer free courses but when
mainframe prices no longer exacted a premium, we took a leaf out of
Sun's book and started charging. For Sun it was a good revenue stream.
73 ... Sid.

On 24/08/11 17:22, Rob Frohne wrote:
>
> Thanks for the details on the programming. I need to get back to my
> board design. I got sidetracked.
>
> 73,
>
> Rob
> KL7NA
>
> On 08/24/2011 08:31 AM, Sid Boyce wrote:
>
>> Perhaps everyone is on holiday.
>> Having got the RS Components 301-8098 PCB micro plugs I discovered
>> yesterday that they stock the IDC plugs 301-8133.
>>
>> I did get the FPGA pogrammed successfully under Linux with the
>> command line.
>> slipstream:/home/lancelot/ftp/aug11/TRANSCEIVER/Transceiver #
>> quartus_pgm -c USB-Blaster Transceiver.cdf
>>
>> I heard from Jim "The Mode should be "Active Serial Programming". And
>> the device is EPCS16, the flash chip."
>> Just before I heard from Jim I did some more reading of the Altera
>> manuals and realised from a table that JTAG was not correct.
>> That was my problem under both XP and Linux.
>> BTW the GUI on Linux and XP are identical.
>>
>> Making a symlink of linux64 to linux cured the message that there was no
>> linux64 directory on this platform.
>> slipstream:~/altera/11.0/quartus # ls -l linux64
>> lrwxrwxrwx 1 root root 5 Aug 18 21:53 linux64 -> linux
>>
>> So far other stuff done.
>> * Built a +6V LM338T supply (5A) to allow elbow room for add-ons.

>>
>> * Took a 10W PA from a transceiver I built in 1983, wired up to be
>> tested with signal generator and dummy load hopefully tomorrow.
>>
>> * A tunable preselector for 160m - 10m also from the old transceiver
>> project to be wired in.
>>
>> * A AN762 PA with LPF's needs wiring up the vacuum switches for RXTX.
>>
>> * A EB104 PA to be biassed. Q2 blew apart when biassing it, now replaced.
>>
>> *** The USB ethernet dongle seems to have died and 3 others I have tried
>> don't seem to be capable of handling the throughput. they all cause
>> short splotches of sound, so are not usable.
>> 73 ... Sid.
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>
> --
> Rob Frohne, Ph.D., P.E.
> E.F. Cross School of Engineering
> Walla Walla University
> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

303. Re: [n2adr-sdr] Yahoo Wierdness

Yahoo group: n2adr-sdr
Date: 2011-08-24 22:07:07 UTC
From: Sid Boyce
Topic: 300 Message: 303

I saw it today and expected an update on 3.5.5 and wondered as 3.4.8 is
way old.
73 ... Sid.

On 24/08/11 19:16, wb4jfi wrote:
>
> I just received a Yahoo Update message saying that I just uploaded
> some new images. Only, I haven't. It's been over a month or more since
> I've uploaded any pictures.....
>
> I'm going through some house work right now, but plan to update the
> latest Quisk version with the filter shadow when I can. At least, if
> there is interest in that!
> Terry, WB4JFI
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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304. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-08-28 22:27:56 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 304

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk3.5.5/filter_3.5.5_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : quisk.py 3.5.5 with filter shadow mods

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.5/filter_3.5.5_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

305. Uploaded Quisk 3.5.5 Filter Shadow Mods

Yahoo group: n2adr-sdr
Date: 2011-08-28 22:37:41 UTC
From: wb4jfi
Topic: 305 Message: 305

I just modified and uploaded the Quisk 3.5.5 to add the filter shadow. There are two files that need the modifications (assuming that you already modified your ./.quisk file). Look in the WB4JFI file area for a quisk3.5.5 folder.

Rename them to the quisk.py and quisk_conf_defaults.py files as you move them to your quisk folder. As a reminder, I usually rename the originals to orig_3.5.5_quisk.py and orig_3.5.5_quisk_conf_defaults.py before putting the new ones there.

I also included my internal text file, which shows where each modification goes. There is still one step that is messy, but I am cleaning it up now for the next version.

Please let me know if you find any issues.
Thanks & 73s
Terry, WB4JFI

306. Re: [n2adr-sdr] New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-08-28 23:40:08 UTC
From: Sid Boyce
Topic: 88 Message: 306

All good here.
73 ... Sid.

On 28/08/11 23:27, n2adr-sdr@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the n2adr-sdr
> group.
>
> File : /WB4JFI/Quisk_filtermods/Quisk3.5.5/filter_3.5.5_quisk.py
> Uploaded by : wb4jfi <wb4jfi@... <mailto:wb4jfi%40knology.net>>
> Description : quisk.py 3.5.5 with filter shadow mods
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.5/filter_
3.5.5_quisk.py
>
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> wb4jfi <wb4jfi@... <mailto:wb4jfi%40knology.net>>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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307. Re: Uploaded Quisk 3.5.5 Filter Shadow Mods

Yahoo group: n2adr-sdr
Date: 2011-08-30 10:43:36 UTC
From: Hubert
Topic: 305 Message: 307

Hello Terry,
works fine on Quisk 3.5.5 with Debian Linux and AMD2400.
Don't forget to set filter_display = 1 in .quisk_conf.py
At my first run i forgot to set the parameter filter_display.

Many thanks 73 de DG7MGY Hubi

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> I just modified and uploaded the Quisk 3.5.5 to add the filter shadow. There are two files that need the modifications (assuming that you already modified your ./.quisk file). Look in the WB4JFI file area for a quisk3.5.5 folder.
>
> Rename them to the quisk.py and quisk_conf_defaults.py files as you move them to your quisk folder. As a reminder, I usually rename the originals to orig_3.5.5_quisk.py and orig_3.5.5_quisk_conf_defaults.py before putting the new ones there.
>
> I also included my internal text file, which shows where each modification goes. There is still one step that is messy, but I am cleaning it up now for the next version.
>
> Please let me know if you find any issues.
> Thanks & 73s
> Terry, WB4JFI
>

308. Re: [n2adr-sdr] Re: Uploaded Quisk 3.5.5 Filter Shadow Mods

Yahoo group: n2adr-sdr
Date: 2011-08-30 13:02:58 UTC
From: Sid Boyce
Topic: 305 Message: 308

I cut and pasted the filter section to the end of the .config, a copy of
n2adr/quisk_conf.py in 3.5.5.
73 ... Sid.

On 30/08/11 11:43, Hubert wrote:
>
> Hello Terry,
> works fine on Quisk 3.5.5 with Debian Linux and AMD2400.
> Don't forget to set filter_display = 1 in .quisk_conf.py
> At my first run i forgot to set the parameter filter_display.
>
> Many thanks 73 de DG7MGY Hubi
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "wb4jfi" <wb4jfi@...> wrote:
> >
> > I just modified and uploaded the Quisk 3.5.5 to add the filter
> shadow. There are two files that need the modifications (assuming that
> you already modified your ./.quisk file). Look in the WB4JFI file area
> for a quisk3.5.5 folder.
> >
> > Rename them to the quisk.py and quisk_conf_defaults.py files as you
> move them to your quisk folder. As a reminder, I usually rename the
> originals to orig_3.5.5_quisk.py and orig_3.5.5_quisk_conf_defaults.py
> before putting the new ones there.
> >
> > I also included my internal text file, which shows where each
> modification goes. There is still one step that is messy, but I am
> cleaning it up now for the next version.
> >
> > Please let me know if you find any issues.
> > Thanks & 73s
> > Terry, WB4JFI
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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309. quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-06 03:20:24 UTC
From: Sid Boyce
Topic: 309 Message: 309

Does quisk provide a PTT signal or does it require activation via J1?

I've checked out a 5W and a 15W PA using the signal generator so TX is next on the cards, first with those PA's standalone and then the 15W --> AN762.

The attenuation from the variable BPF out of the old transceiver is excessive though it's supposed to be 50 ohm in/out I think, can't find the circuit diagram for it. I'll put it on the miniVNA Pro to see what I get.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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310. Re: quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-06 13:38:43 UTC
From: Helmut Goebkes
Topic: 309 Message: 310

Hi Sid,

you can activate PTT via J1 (Pin1,Pin2)or from Quisk if you press the PTT button (Quisk Version > 3.5.5) This true for all Modes exept CW
because CW Transmission is activated by activating J1 Pin 3/Pin4
(Key input)

To control a PA or a RX/TX-Relay, you can use the signal on
X1, Pin6 wich is "/TX_ACTIVE", a low active signal wich is always low if tx (mode independent)is active. Be carefull, because this digital signal comes directly from the FPGA and is a bit sensitive! Do not apply any voltage >3.3V to this output!

73!
Helmut, DB1CC

311. Re: [n2adr-sdr] Re: quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-06 15:17:33 UTC
From: Sid Boyce
Topic: 309 Message: 311

Thanks Helmut,
I already have a 5V RXTX relay wired up so I should be able to use X1 Pin6 to switch the relay via an invertor and LM10 or BS170 FET.
73 ... Sid.

On 06/09/11 14:38, Helmut Goebkes wrote:
>
> Hi Sid,
>
> you can activate PTT via J1 (Pin1,Pin2)or from Quisk if you press the
> PTT button (Quisk Version > 3.5.5) This true for all Modes exept CW
> because CW Transmission is activated by activating J1 Pin 3/Pin4
> (Key input)
>
> To control a PA or a RX/TX-Relay, you can use the signal on
> X1, Pin6 wich is "/TX_ACTIVE", a low active signal wich is always low
> if tx (mode independent)is active. Be carefull, because this digital
> signal comes directly from the FPGA and is a bit sensitive! Do not
> apply any voltage >3.3V to this output!
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

312. Re: [n2adr-sdr] Re: quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-07 01:52:11 UTC
From: Sid Boyce
Topic: 309 Message: 312

Helmut,
I have been cross-checking between Jim's pinouts for quisk-3.5.5,
TARGET_ HiQTRX_V24T_Circuit.pdf and what's written below, i.e X1, Pin6
for /TX_ACTIVE. It seems the circuit diagram needs revising.
Jim's pinouts tabulated

X1 pins 1-4 FPGA pins 69, 68, 65, 64 Bandswitch
5-6 63 Preamp
7 57 TX LED
8 " RX LED

84, 83, 82, 81, 80 Atten
41 Antenna Switch

J1 1-2 176 PTT SSB
3-4 177 KEY
---
73 ... Sid.

On 06/09/11 14:38, Helmut Goebkes wrote:
>
> Hi Sid,
>
> you can activate PTT via J1 (Pin1,Pin2)or from Quisk if you press the
> PTT button (Quisk Version > 3.5.5) This true for all Modes exept CW
> because CW Transmission is activated by activating J1 Pin 3/Pin4
> (Key input)
>
> To control a PA or a RX/TX-Relay, you can use the signal on
> X1, Pin6 wich is "/TX_ACTIVE", a low active signal wich is always low
> if tx (mode independent)is active. Be carefull, because this digital
> signal comes directly from the FPGA and is a bit sensitive! Do not
> apply any voltage >3.3V to this output!
>
> 73!
> Helmut, DB1CC
>
>

--
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313. Re: quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-07 06:17:12 UTC
From: Helmut Goebkes
Topic: 309 Message: 313

Hi Sid,

>It seems the circuit diagram needs revising.

Yes i know, but there is no real change in the circuit diag except the name (and function because of the Firmware change) in the circuit.
Anyway, i will revise circuit diagram next days and update it
in the net.
I have also to revise the text portions and descriptions partly, but due to massive QRL currently i have not enough time to do that (snif)

73!
Helmut, DB1CC

314. Re: [n2adr-sdr] Re: quisk PTT question

Yahoo group: n2adr-sdr
Date: 2011-09-07 10:53:27 UTC
From: Sid Boyce
Topic: 309 Message: 314

Thanks Helmut,
Always too much to do and to little time available. One day nature will implement the 72 hour day so we can get a little more done.
73 ... Sid.

On 07/09/11 07:17, Helmut Goebkes wrote:
>
> Hi Sid,
>
> >It seems the circuit diagram needs revising.
>
> Yes i know, but there is no real change in the circuit diag except the
> name (and function because of the Firmware change) in the circuit.
> Anyway, i will revise circuit diagram next days and update it
> in the net.
> I have also to revise the text portions and descriptions partly, but
> due to massive QRL currently i have not enough time to do that (snif)
>
> 73!
> Helmut, DB1CC
>
>

--
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315. FW update

Yahoo group: n2adr-sdr
Date: 2011-09-07 13:19:45 UTC
From: sergeapm
Topic: 315 Message: 315

Hello to all

Sri but didn't see a lot of information about programmer and some questions not clear.
It is therefore understandable that this - study and try all by myself.
Thanks Sid G3VBV for his assistance with messages-questions and for help with connectors ,

Now programmed the new 1.1 version and run HIQSDR on Windows 7 32bit - it was really easy ,except solder jumper 2x5 connector to cheap China Altera USB Blaster - which work OK for 15 USD shipped

successfully tested HiQSDR through router Asus500 and Dlink D615 on wifi - not so bad - Hammond 1455L1201 - 1455N1201 seems good for box
I lost just 10 minute for short manual about some FAQ
pse see my pictures-manual in file section RV3APM
i hope it will help someone

73 Serge

316. Quisk and Win7/64, installation recipe wanted

Yahoo group: n2adr-sdr
Date: 2011-09-07 14:13:33 UTC
From: Guenter DL7LA
Topic: 316 Message: 316

Hello all,

I was asked to forward a question by Klaus, DK7XL, moderator of a German SDR forum. Although they primarily focus on PowerSDR he would like to know if quisk has been successfully installed and if so, whether someone (here) could offer a sort of cookbook recipe for the Win7/64 bit environment.

This is not urgent at all, a success message alone will be great. I'm running a 32 bit Version of Win7 and won't be able to change back to 64 before about two weeks time. I remember there was an issue when I tried on 64 for a fellow ham but can't remember exactly what went wrong then. I'll install Win7/64 here later anyhow and will report then.

73
Günter

317. Re: [n2adr-sdr] FW update

Yahoo group: n2adr-sdr
Date: 2011-09-07 14:46:07 UTC
From: Sid Boyce
Topic: 315 Message: 317

Glad to hear FPGA is at 1.1 now.
The problem with the Altera documentation is that it is scattered over several manuals addressing the various devices.
With google search thanks to a post to the HPSDR group I got it programmed under Linux with "quartus_pgm -c USB-Blaster Transceiver.cdf".

After successfully using the command line and asking Jim for help - ASP is the method, but still no idea of how much memory to tick.

For the GUI (Linux and Windows are identical) - It took a long search through the manuals to eventually find a table listing that the interface is Actve Serial Programming but nowhere could I find out how much memory to specify for ASP.

It's all part of the learning process I suppose. The jumper was the easy part.
I ordered the EEBlaster not realising I had already ordered the Chines clone until it turned up a week after the EEBlaster. Both do the same job equally well.
73 ... Sid.

On 07/09/11 14:19, sergeapm wrote:
>
> Hello to all
>
> Sri but didn't see a lot of information about programmer and some
> questions not clear.
> It is therefore understandable that this - study and try all by myself.
> Thanks Sid G3VBV for his assistance with messages-questions and for
> help with connectors ,
>
> Now programmed the new 1.1 version and run HIQSDR on Windows 7 32bit -
> it was really easy ,except solder jumper 2x5 connector to cheap China
> Altera USB Blaster - which work OK for 15 USD shipped
>
> successfully tested HiQSDR through router Asus500 and Dlink D615 on
> wifi - not so bad -
> Hammond 1455L1201 - 1455N1201 seems good for box
> I lost just 10 minute for short manual about some FAQ
> pse see my pictures-manual in file section RV3APM
> i hope it will help someone
>
> 73 Serge
>
>

--
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318. Re: FW update

Yahoo group: n2adr-sdr
Date: 2011-09-07 15:49:46 UTC
From: sergeinmsk
Topic: 315 Message: 318

Thanks

Now need and wait Dowkey relay for RX-TX and Hammond box

73 Serge

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Glad to hear FPGA is at 1.1 now.
> The problem with the Altera documentation is that it is scattered over
> several manuals addressing the various devices.
> With google search thanks to a post to the HPSDR group I got it
> programmed under Linux with "quartus_pgm -c USB-Blaster Transceiver.cdf".
>
> After successfully using the command line and asking Jim for help - ASP
> is the method, but still no idea of how much memory to tick.
>
> For the GUI (Linux and Windows are identical) - It took a long search
> through the manuals to eventually find a table listing that the
> interface is Actve Serial Programming but nowhere could I find out how
> much memory to specify for ASP.
>
> It's all part of the learning process I suppose. The jumper was the easy
> part.
> I ordered the EEBlaster not realising I had already ordered the Chines
> clone until it turned up a week after the EEBlaster. Both do the same
> job equally well.
> 73 ... Sid.
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> On 07/09/11 14:19, sergeapm wrote:
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> > Hello to all
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> > it was really easy ,except solder jumper 2x5 connector to cheap China
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> > successfully tested HiQSDR through router Asus500 and Dlink D615 on
> > wifi - not so bad -
> > Hammond 1455L1201 - 1455N1201 seems good for box

> > I lost just 10 minute for short manual about some FAQ
> > pse see my pictures-manual in file section RV3APM
> > i hope it will help someone
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> > 73 Serge
> >
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

319. Re: Quisk and Win7/64, installation recipe wanted

Yahoo group: n2adr-sdr
Date: 2011-09-08 12:03:24 UTC
From: Mario
Topic: 316 Message: 319

Hi Günter,

the current Windows release of Quisk is 32bit but runs under 64bit as well.
Of cause you need to install 32bit python and wxpython 32bit.
On my Win7 x64 PC i have the problem that Quisk does not run if the microphone is enabled in Quisk config. So TX is not possible here. But Helmut reported that this might differ from PC to PC.
Furthermore the Windows version of Quisk is still kind of a beta.
I have no clue how to recompile for x64 Windows.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Hello all,
>
> I was asked to forward a question by Klaus, DK7XL, moderator of a German SDR forum. Although they primarily focus on PowerSDR he would like to know if quisk has been successfully installed and if so, whether someone (here) could offer a sort of cookbook recipe for the Win7/64 bit environment.
>
> This is not urgent at all, a success message alone will be great. I'm running a 32 bit Version of Win7 and won't be able to change back to 64 before about two weeks time. I remember there was an issue when I tried on 64 for a fellow ham but can't remember exactly what went wrong then. I'll install Win7/64 here later anyhow and will report then.
>
> 73
> Günter
>

320. Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-08 12:13:09 UTC
From: Mario
Topic: 320 Message: 320

Hi,

i tried to get the audio from quisk to another software under Linux Ubuntu 11.04 but was not successfull so far.
I understand using a second soundcard would be easy but i like to get the audio forwarded internally.
I tried to establish a link from Alsa to the Jackd and obviously some samples were forwarded from Quisk via Alsa to Jack and played at the soundcard. Unfortunately the audio was corrupt. I did not search for the reason so far. Probably sample rate issues ?
The other chance might be to setup a virtual soundcard in the alsa configuration. Until know i have understood how to do this ;)
Third option: I already had a successfull link between Quisk and pulseaudio via a link over Alsa. Unfortunately this stops working after a few seconds.
The best choice might be implementing jackd support into Quisk ;)

Was anyone more successfull than me ?

regards
Mario

321. Re: [n2adr-sdr] Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-08 15:13:35 UTC
From: Rob Frohne
Topic: 320 Message: 321
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mario,

I second your suggestion of adding JACK support into Quisk. I just did
this for John Melton's ghpsdr (Alex's branch), and it wasn't that difficult.

https://github.com/alexlee188/ghpsdr3-alex

See the aconf branch if you are interested.

73,

Rob
KL7NA

On 09/08/2011 05:13 AM, Mario wrote:
>
> Hi,
>
> i tried to get the audio from quisk to another software under Linux
> Ubuntu 11.04 but was not successfull so far.
> I understand using a second soundcard would be easy but i like to get
> the audio forwarded internally.
> I tried to establish a link from Alsa to the Jackd and obviously some
> samples were forwarded from Quisk via Alsa to Jack and played at the
> soundcard. Unfortunately the audio was corrupt. I did not search for
> the reason so far. Probably sample rate issues ?
> The other chance might be to setup a virtual soundcard in the alsa
> configuration. Until know i have understood how to do this ;)
> Third option: I already had a successfull link between Quisk and
> pulseaudio via a link over Alsa. Unfortunately this stops working
> after a few seconds.
> The best choice might be implementing jackd support into Quisk ;)
>
> Was anyone more successfull than me ?
>
> regards
> Mario
>
>

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324

(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

322. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-08 16:17:20 UTC
From: Hubert
Topic: 320 Message: 322

Hello Mario,
i have the same problem to and from my opinion jackd was
a good way to connect audio recorder or fldigi to Quisk.
Fldigi has jackd implemented.

For digital modes are needed only HiQSDR mode ptt and frequency control from fldigi and a jackd connection to Quisk.

We should talk with Jim N2ADR if its possible to take the jackd code
to the official Quisk version.

At the moment i work with two soundcards and a cable between it works but was not nice.

73 de DG7MGY Hubi

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> i tried to get the audio from quisk to another software under Linux Ubuntu 11.04 but was not successfull so far.
> I understand using a second soundcard would be easy but i like to get the audio forwarded internally.
> I tried to establish a link from Alsa to the Jackd and obviously some samples were forwarded from Quisk via Alsa to Jack and played at the soundcard. Unfortunately the audio was corrupt. I did not search for the reason so far. Probably sample rate issues ?
> The other chance might be to setup a virtual soundcard in the alsa configuration. Until know i have understood how to do this ;)
> Third option: I already had a successfull link between Quisk and pulseaudio via a link over Alsa. Unfortunately this stops working after a few seconds.
> The best choice might be implementing jackd support into Quisk ;)
>
> Was anyone more successfull than me ?
>
> regards
> Mario
>

323. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-08 19:23:29 UTC
From: Mario
Topic: 320 Message: 323

Hi Hubi,

in general i got the interface to jackd working. I added a PCM device with type of the jack plugin to .asoundrc. It is important to switch the sample rate in jack to 48kHz. This was the problem that caused the interrupted audio. Unfortunately after a few seconds the audio playback crashed and jack prints many errors. Probably that has something to do with Quisk itself. The the "noise" in the RX audio when playing directly to alsa is probably a problem within Quisk that cannot be managed by jackd ?
At least i was able to see the output of quisk within fldigi for a very short time.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
>
>
> Hello Mario,
> i have the same problem to and from my opinion jackd was
> a good way to connect audio recorder or fldigi to Quisk.
> Fldigi has jackd implemented.
>
> For digital modes are needed only HiQSDR mode ptt and frequency control from fldigi and a jackd connection to Quisk.
>
> We should talk with Jim N2ADR if its possible to take the jackd code
> to the official Quisk version.
>
> At the moment i work with two soundcards and a cable between it works but was not nice.
>
> 73 de DG7MGY Hubi
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
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> > Hi,
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> > i tried to get the audio from quisk to another software under Linux Ubuntu 11.04 but was not successfull so far.
> > I understand using a second soundcard would be easy but i like to get the audio forwarded internally.
> > I tried to establish a link from Alsa to the Jackd and obviously some samples were forwarded from Quisk via Alsa to Jack and played at the soundcard. Unfortunately the audio was corrupt. I did not search for the reason so far. Probably sample rate issues ?
> > The other chance might be to setup a virtual soundcard in the alsa configuration. Until know i have understood how to do this ;)
> > Third option: I already had a successfull link between Quisk and pulseaudio via a link

over Alsa. Unfortunately this stops working after a few seconds.
> > The best choice might be implementing jackd support into Quisk ;)
> >
> > Was anyone more successfull than me ?
> >
> > regards
> > Mario
> >
>

324. Re: Uploaded Quisk 3.5.5 Filter Shadow Mods

Yahoo group: n2adr-sdr
Date: 2011-09-10 10:32:04 UTC
From: Guenter DL7LA
Topic: 305 Message: 324

Hi, Terry,
a big Thank You, works great
Guenter DL7LA

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> I just modified and uploaded the Quisk 3.5.5 to add the filter shadow. There are two files that need the modifications (assuming that you already modified your ./.quisk file). Look in the WB4JFI file area for a quisk3.5.5 folder.
>
> Rename them to the quisk.py and quisk_conf_defaults.py files as you move them to your quisk folder. As a reminder, I usually rename the originals to orig_3.5.5_quisk.py and orig_3.5.5_quisk_conf_defaults.py before putting the new ones there.
>
> I also included my internal text file, which shows where each modification goes. There is still one step that is messy, but I am cleaning it up now for the next version.
>
> Please let me know if you find any issues.
> Thanks & 73s
> Terry, WB4JFI
>

325. Any Hams made a contact with HiQSDR?

Yahoo group: n2adr-sdr
Date: 2011-09-10 14:03:50 UTC
From: Ken N9VV
Topic: 305 Message: 325

Hi, has anyone made a contact with their HiQSDR?
Please brag about it so we all know what the Tx
is like. There haven't been any messages about the
DUC Tx a all.

thanks,
73 de Ken N9VV

326. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-10 15:22:20 UTC
From: Mario
Topic: 320 Message: 326

After quite a while of unsuccessful testing i found a way to connect Quisk to other Alsa capable software at least.

You just need to loard the alsa loopback "soundcard" driver:
sudo modprobe snd-aloop

Then two additional devices should appear. Probably you have to restart alsa with
sudo alsa force-reload

You can select one of the new alsa devices for quisk audio output and the other one in the software of your choice (i tried with fldigi).
Afterwards in the second software the audio from quisk appears.
Unfortunately i was not able to get audio out of the speakers at the same time.

Take care that the alsa device numbers may be in a different order after rebooting or even restarting the alsa.

regards
Mario, DH5YM

>
> Hi Hubi,
>
> in general i got the interface to jackd working. I added a PCM device with type of the jack plugin to .asoundrc. It is important to switch the sample rate in jack to 48kHz. This was the problem that caused the interrupted audio. Unfortunately after a few seconds the audio playback crashed and jack prints many errors. Probably that has something to do with Quisk itself. The the "noise" in the RX audio when playing directly to alsa is probably a problem within Quisk that cannot be managed by jackd ?
> At least i was able to see the output of quisk within fldigi for a very short time.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> >
> >
> >
> > Hello Mario,
> > i have the same problem to and from my opinion jackd was
> > a good way to connect audio recorder or fldigi to Quisk.
> > Fldigi has jackd implemented.
> >
> > For digital modes are needed only HiQSDR mode ptt and frequency control from fldigi and a jackd connection to Quisk.
> >

> > We should talk with Jim N2ADR if its possible to take the jackd code
> > to the official Quisk version.
> >
> > At the moment i work with two soundcards and a cable between it works but was not nice.
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> > 73 de DG7MGY Hubi
> >
> > --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> > >
> > > Hi,
> > >
> > > i tried to get the audio from quisk to another software under Linux Ubuntu 11.04 but was not successfull so far.
> > > I understand using a second soundcard would be easy but i like to get the audio forwarded internally.
> > > I tried to establish a link from Alsa to the Jackd and obviously some samples were forwarded from Quisk via Alsa to Jack and played at the soundcard. Unfortunately the audio was corrupt. I did not search for the reason so far. Probably sample rate issues ?
> > > The other chance might be to setup a virtual soundcard in the alsa configuration. Until know i have understood how to do this ;)
> > > Third option: I already had a successfull link between Quisk and pulseaudio via a link over Alsa. Unfortunately this stops working after a few seconds.
> > > The best choice might be implementing jackd support into Quisk ;)
> > >
> > > Was anyone more successfull than me ?
> > >
> > > regards
> > > Mario
> > >
> >
>

327. Re: [n2adr-sdr] Any Hams made a contact with HiQSDR?

Yahoo group: n2adr-sdr
Date: 2011-09-10 16:04:13 UTC
From: Sid Boyce
Topic: 305 Message: 327

That's what I've been working on this afternoon.
Cable to X1 built and checked voltages.

RX/TX relay switching circuit worked out - to be built. X1 pin 6 -->
74LS04 --> VN10KM or VN10LM driving the relay.

Attenuator to be built with 0.6W resistors. I need ~13dB of attenuation
to provide ~300mV drive for the PA.

15W PA ready to go with bias applied via a toggle switch initially when
the above completed.

I agree Ken, it would be nice to know what others have done and achieved
with TX.
73 ... Sid.

Hopefully I'll have more to say soon.
On 10/09/11 15:03, Ken N9VV wrote:
>
> Hi, has anyone made a contact with their HiQSDR?
> Please brag about it so we all know what the Tx
> is like. There haven't been any messages about the
> DUC Tx a all.
>
> thanks,
> 73 de Ken N9VV
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>

--
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328. Re: [n2adr-sdr] Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-10 19:15:23 UTC
From: Sid Boyce
Topic: 320 Message: 328

Very interesting Mario. The alternatives to using quisk with jack was a topic of a private discussion I had recently with a guy in VK. We thought of aloop but we didn't actually try it.

Normally the devices come up the same unless something changes like in my case if I come up with the USB camera disconnected another sound device will claim its place. It's possible that a udev persistent-snd.rules file could assure fixed device nodes for it - again not tried. In such a case I have changed ~/.quisk_conf.py.

The only other software I've looked at briefly was Linrad but I got no audio locally. Perhaps Linrad would need to be capable of interpreting the packets it receives. When modified for the HiQSDR ports and IP address it seems to accept the packets.

What would be interesting also would be hamlib support.
For Softrocks sdr-shell output is patched to fldigi using jack. I don't think anyone has tried to do it for quisk.
73 ... Sid.

On 10/09/11 16:22, Mario wrote:
>
> After quite a while of unsuccessful testing i found a way to connect
> Quisk to other Alsa capable software at least.
>
> You just need to loard the alsa loopback "soundcard" driver:
> sudo modprobe snd-aloop
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> Then two additional devices should appear. Probably you have to
> restart alsa with
> sudo alsa force-reload
>
> You can select one of the new alsa devices for quisk audio output and
> the other one in the software of your choice (i tried with fldigi).
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> Unfortunately i was not able to get audio out of the speakers at the
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> Take care that the alsa device numbers may be in a different order
> after rebooting or even restarting the alsa.
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> regards
> Mario, DH5YM
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> >
> > Hi Hubi,

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> > in general i got the interface to jackd working. I added a PCM
> device with type of the jack plugin to .asoundrc. It is important to
> switch the sample rate in jack to 48kHz. This was the problem that
> caused the interrupted audio. Unfortunately after a few seconds the
> audio playback crashed and jack prints many errors. Probably that has
> something to do with Quisk itself. The the "noise" in the RX audio
> when playing directly to alsa is probably a problem within Quisk that
> cannot be managed by jackd ?
> > At least i was able to see the output of quisk within fldigi for a
> very short time.
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> > regards
> > Mario
> >
> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > >
> > >
> > >
> > > Hello Mario,
> > > i have the same problem to and from my opinion jackd was
> > > a good way to connect audio recorder or fldigi to Quisk.
> > > Fldigi has jackd implemented.
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> > > For digital modes are needed only HiQSDR mode ptt and frequency
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> > > At the moment i work with two soundcards and a cable between it
> works but was not nice.
> > >
> > > 73 de DG7MGY Hubi
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "Mario" <dh5ym@> wrote:
> > > >
> > > > Hi,
> > > >
> > > > i tried to get the audio from quisk to another software under
> Linux Ubuntu 11.04 but was not successfull so far.
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> some samples were forwarded from Quisk via Alsa to Jack and played at
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> > > > The other chance might be to setup a virtual soundcard in the

> alsa configuration. Until know i have understood how to do this ;)
> > > > Third option: I already had a successfull link between Quisk and
> pulseaudio via a link over Alsa. Unfortunately this stops working
> after a few seconds.
> > > > The best choice might be implementing jackd support into Quisk ;)
> > > >
> > > > Was anyone more successfull than me ?
> > > >
> > > > regards
> > > > Mario
> > > >
> > >
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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329. Re: [n2adr-sdr] Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-10 19:30:22 UTC
From: wb4jfi@knology.net
Topic: 320 Message: 329

I would think that a way to get Quisk to work with jack would be to use the jack interfacing code from sdr-shell. It has all the right stuff for handling the circular buffers, flags, etc already proven to work. It may take a little bit of work to interface that to quisk, but the payoff would be good.
Terry, WB4JFI

From: Sid Boyce
Sent: Saturday, September 10, 2011 3:15 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Quisk connect audio to other software under Linux ?

Very interesting Mario. The alternatives to using quisk with jack was a topic of a private discussion I had recently with a guy in VK. We thought of aloop but we didn't actually try it.

Normally the devices come up the same unless something changes like in my case if I come up with the USB camera disconnected another sound device will claim its place. It's possible that a udev persistent-snd.rules file could assure fixed device nodes for it - again not tried. In such a case I have changed ~/.quisk_conf.py.

The only other software I've looked at briefly was Linrad but I got no audio locally. Perhaps Linrad would need to be capable of interpreting the packets it receives. When modified for the HiQSDR ports and IP address it seems to accept the packets.

What would be interesting also would be hamlib support.
For Softrocks sdr-shell output is patched to fldigi using jack. I don't think anyone has tried to do it for quisk.
73 ... Sid.

On 10/09/11 16:22, Mario wrote:

After quite a while of unsuccessful testing i found a way to connect Quisk to other Alsa capable software at least.

You just need to loard the alsa loopback "soundcard" driver:
sudo modprobe snd-aloop

Then two additional devices should appear. Probably you have to restart alsa with
sudo alsa force-reload

You can select one of the new alsa devices for quisk audio output and the other one in the software of your choice (i tried with fldigi).
Afterwards in the second software the audio from quisk appears.
Unfortunately i was not able to get audio out of the speakers at the same time.

Take care that the alsa device numbers may be in a different order after rebooting or even restarting the alsa.

regards
Mario, DH5YM

>
> Hi Hubi,
>
> in general i got the interface to jackd working. I added a PCM device with type of the jack plugin to .asoundrc. It is important to switch the sample rate in jack to 48kHz. This was the problem that caused the interrupted audio. Unfortunately after a few seconds the audio playback crashed and jack prints many errors. Probably that has something to do with Quisk itself. The the "noise" in the RX audio when playing directly to alsa is probably a problem within Quisk that cannot be managed by jackd ?
> At least i was able to see the output of quisk within fldigi for a very short time.
>
> regards
> Mario
>
> --- In mailto:n2adr-sdr%40yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> >
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> > Hello Mario,
> > i have the same problem to and from my opinion jackd was
> > a good way to connect audio recorder or fldigi to Quisk.
> > Fldigi has jackd implemented.
> >
> > For digital modes are needed only HiQSDR mode ptt and frequency control from fldigi and a jackd connection to Quisk.
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> > At the moment i work with two soundcards and a cable between it works but was not nice.
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> > > Was anyone more successfull than me ?
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--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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330. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-09-11 08:50:20 UTC
From: Mario
Topic: 320 Message: 330

Hi Terry,

i agree that a direct link to Jack would be very beneficial. I already tried the indirect way with the Alsa-Jack link. Unfortunately the plugin crashes after some seconds when the samples come from Quisk.
I did not look to the stuff from SDR-shell but i also found a library named pyjack that could be used as well. So we need someone who has experience in this area ;)
I just posted this solution as an intermediate way to interface to other software (although its not very comfortable). Yesterday i tried with the Dream DRM decoder and found that it works very well.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, <wb4jfi@...> wrote:
>
> I would think that a way to get Quisk to work with jack would be to use the jack interfacing code from sdr-shell. It has all the right stuff for handling the circular buffers, flags, etc already proven to work. It may take a little bit of work to interface that to quisk, but the payoff would be good.
> Terry, WB4JFI
>
>
> From: Sid Boyce
> Sent: Saturday, September 10, 2011 3:15 PM
> To: n2adr-sdr@yahoogroups.com
> Subject: Re: [n2adr-sdr] Re: Quisk connect audio to other software under Linux ?
>
>
> Very interesting Mario. The alternatives to using quisk with jack was a topic of a private discussion I had recently with a guy in VK. We thought of aloop but we didn't actually try it.
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> Normally the devices come up the same unless something changes like in my case if I come up with the USB camera disconnected another sound device will claim its place. It's possible that a udev persistent-snd.rules file could assure fixed device nodes for it - again not tried. In such a case I have changed ~/.quisk_conf.py.
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> The only other software I've looked at briefly was Linrad but I got no audio locally. Perhaps Linrad would need to be capable of interpreting the packets it receives. When modified for the HiQSDR ports and IP address it seems to accept the packets.
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> What would be interesting also would be hamlib support.
> For Softrocks sdr-shell output is patched to fldigi using jack. I don't think anyone has tried to do it for quisk.
> 73 ... Sid.

>
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> You just need to loard the alsa loopback "soundcard" driver:
> sudo modprobe snd-aloop
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> > > a good way to connect audio recorder or fldigi to Quisk.
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> > > to the official Quisk version.
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> > > 73 de DG7MGY Hubi
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> > > --- In mailto:n2adr-sdr%40yahoogroups.com, "Mario" <dh5ym@> wrote:
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>

331. 5.5.6 is out

Yahoo group: n2adr-sdr
Date: 2011-09-21 20:09:44 UTC
From: Guenter DL7LA
Topic: 331 Message: 331

Jim just rolled the 3.5.6 version out, featuring adjustable power on spot and adjustable AGC. See the changelog.

Günter DL7LA

332. Re: [n2adr-sdr] 5.5.6 is out

Yahoo group: n2adr-sdr
Date: 2011-09-21 23:10:27 UTC
From: Sid Boyce
Topic: 331 Message: 332

Thanks I checked a few days ago to see if there was anything later.
Just fired it up on the HiQSDR.
This is the first version to give realistic S-meter readings.
I need to have a closer look to see how to turn on PTT, it came up in
white and not changeable.

BTW, I've been trying to build qsdr on openSUSE, just to see what it
offers but I get errors.

```
slipstream:/home/lancelot/ftp/sep11/qsdr # make
g++ -c -m64 -pipe -O2 -Wall -W -D_REENTRANT -DUSB -DQT_NO_DEBUG
-DQT_GUI_LIB -DQT_CORE_LIB -DQT_SHARED -I/usr/share/qt4/mkspecs/default
-I. -I/usr/include/QtCore -I/usr/include/QtGui -I/usr/include
-I../gnuradio//gnuradio-core/src/lib/general
-I../gnuradio//gnuradio-core/src/lib/runtime
-I../gnuradio//gnuradio-core/src/lib/io
-I../gnuradio//gnuradio-core/src/lib/gengen
-I../gnuradio//gnuradio-core/src/lib/filter
-I../gnuradio//gr-audio/include -I../gnuradio//gruel/src/include
-I/usr/include/gnuradio -I.moc -I.ui -o .obj/gr_sdr_sink.o gr_sdr_sink.cc
In file included from /usr/include/gnuradio/gr_types.h:30:0,
from /usr/include/gnuradio/gr_runtime_types.h:26,
from /usr/include/gnuradio/gr_basic_block.h:26,
from /usr/include/gnuradio/gr_block.h:26,
from /usr/include/gnuradio/gr_sync_block.h:26,
from ./gr_sdr_sink.h:26,
from gr_sdr_sink.cc:27:
/usr/include/gnuradio/gr_complex.h:30:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:31:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:32:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:33:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:34:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:35:13: warning: unused parameter 'x'
[-Wunused-parameter]
/usr/include/gnuradio/gr_complex.h:36:13: warning: unused parameter 'x'
[-Wunused-parameter]
In file included from /usr/include/gnuradio/gr_block.h:26:0,
from /usr/include/gnuradio/gr_sync_block.h:26,
from ./gr_sdr_sink.h:26,
from gr_sdr_sink.cc:27:
/usr/include/gnuradio/gr_basic_block.h:120:18: warning: unused parameter
```

```
'ninputs' [-Wunused-parameter]
/usr/include/gnuradio/gr_basic_block.h:120:18: warning: unused parameter
'noutputs' [-Wunused-parameter]
gr_sdr_sink.cc:34:1: error: prototype for
'gr_sdr_sink::gr_sdr_sink(unsigned int, Parent*, cbF, float*)' does not
match any in class 'gr_sdr_sink'
./gr_sdr_sink.h:40:7: error: candidates are:
gr_sdr_sink::gr_sdr_sink(const gr_sdr_sink&)
./gr_sdr_sink.h:46:5: error:
gr_sdr_sink::gr_sdr_sink(size_t, Parent*, cbF, float*)
gr_sdr_sink.cc:48:5: warning: unused parameter 'output_items'
[-Wunused-parameter]
make: *** [.obj/gr_sdr_sink.o] Error 1
slipstream:/home/lancelot/ftp/sep11/qsdr #
73 ... Sid.

On 21/09/11 21:09, Guenter DL7LA wrote:
>
> Jim just rolled the 3.5.6 version out, featuring adjustable power on
> spot and adjustable AGC. See the changelog.
>
> G?nter DL7LA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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```

333. qsdr: GNU Radio application with Qt GUI ?

Yahoo group: n2adr-sdr
Date: 2011-09-22 05:30:21 UTC
From: Andrea Montefusco
Topic: 333 Message: 333

Hi all,

could someone give some explanations/pointer to qsdr software ?
I was able to find only german pages at http://dvbh.kilu.de/qsdr/

TIA

73 *am*

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

334. Re: qsdr: GNU Radio application with Qt GUI ?

Yahoo group: n2adr-sdr
Date: 2011-09-22 15:02:45 UTC
From: Guenter DL7LA
Topic: 333 Message: 334

Indeed, it's a bit cryptic, no author, no references. 'kilu' seems to be a free website provider, and download is pretty slow. I'm trying my luck in finding some info in the sources. The other FA-SDR rig mentioned is a project of the German magazine 'FUNKAMATEUR'. They are using simple hardware in a zero-IF radio together with a Si570 f*4 oscillator. Looks like the author adapted some gnu-radio concept to the N2ADR ethernet hardware.

73
Guenter

--- In n2adr-sdr@yahoogroups.com, Andrea Montefusco <andrea.montefusco@...> wrote:
>
> Hi all,
>
> could someone give some explanations/pointer to qsdr software ?
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> TIA
>
> 73 *am*
>
> --
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> --
>

335. Re: qsdr: GNU Radio application with Qt GUI ?

Yahoo group: n2adr-sdr
Date: 2011-09-22 15:24:47 UTC
From: Guenter DL7LA
Topic: 333 Message: 335

I could extract the following info:

Package: qsdr
Version: 0.9.2
Architecture: i386
Maintainer: Stefan <dl2stg@...>
Installed-Size: 23340
Depends: libc6 (>= 2.3), libqtgui4 (>= 4.4.3), libqtcore4, libqt4-xml, libqt4-network, libusb-0.1-4, libfontconfig1-dev, libxrender-dev, libpulse-dev, swig, g++, automake, autoconf, libtool, python-dev, libfftw3-dev, libcppunit-dev, libboost-all-dev, libusb-dev, fort77, sdcc, sdcc-libraries, libsdl1.2-dev, python-wxgtk2.8, git-core, guile-1.8-dev, libqt4-dev, python-numpy, ccache, python-opengl, libgsl0-dev, python-cheetah, python-lxml, doxygen, qt4-dev-tools, libqwt5-qt4-dev, libqwtplot3d-qt4-dev, pyqt4-dev-tools, python-qwt5-qt4, libxi-dev
Conflicts: gnuradio
Section: apps
Priority: optional
Homepage:
Description: QSDR, a experimental SDR-Transceiver

HTH
Guenter

>
> --- In n2adr-sdr@yahoogroups.com, Andrea Montefusco <andrea.montefusco@> wrote:
> >
> > Hi all,
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336. Re: qsdr: GNU Radio application with Qt GUI ?

Yahoo group: n2adr-sdr
Date: 2011-09-22 15:40:03 UTC
From: Guenter DL7LA
Topic: 333 Message: 336

...which led to a thread in the German n2adr group (my fault, did'nt subscribe). I guess you'll soon get some more answers.

HTH Guenter
(sorry for the bandwidth wasted)

> > > Hi all,
> > >
> > > could someone give some explanations/pointer to qsdr software ?
> > > I was able to find only german pages at http://dvbh.kilu.de/qsdr/
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337. Re: [n2adr-sdr] Re: qsdr: GNU Radio application with Qt GUI ?

Yahoo group: n2adr-sdr
Date: 2011-09-22 15:44:06 UTC
From: andrea montefusco
Topic: 333 Message: 337

Many thanks for your assistance Guenter.

am

--
Andrea Montefusco IW0HDV

338. Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-22 22:29:39 UTC
From: Sid Boyce
Topic: 338 Message: 338

X1 pin 6 --> Gate of BS170 level shifter (Drain to +5V via 10K) --> 2 cascaded stages of 74HC14 (+5V powered) --> 1K --> BS170 Gate, Drain to Relay with back EMF diode -> +12V.

Clicking PTT in quisk, pick and release of the relay takes around 3.5 seconds each way.
Any suggestions as to how this could be speeded up.
I've not yet checked to see if there is a delay in in the rise and fall of the PTT signal.
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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339. Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-26 12:39:19 UTC
From: Helmut Goebkes
Topic: 338 Message: 339

Hi Sid,

maybe the BS170 is not the right choice, because the output of the FPGA delivers just CMOS levels of 0 and 3.3 Volt at this pin.
BS170 Specs shows that the gate voltage is min. 3V, so
maybe the FET switches not correctly. Try a BSS138 for this or
any other low gate voltage N-Channel FET.
Best check is to trace the signal path with a Oscilloscope..

73!
Helmut, DB1CC

340. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-26 19:40:44 UTC
From: Sid Boyce
Topic: 338 Message: 340

Thanks Helmut,
I was only looking at a circuit using the BSS138 last night.
73 ... Sid.

On 26/09/11 13:39, Helmut Goebkes wrote:
>
> Hi Sid,
>
> maybe the BS170 is not the right choice, because the output of the
> FPGA delivers just CMOS levels of 0 and 3.3 Volt at this pin.
> BS170 Specs shows that the gate voltage is min. 3V, so
> maybe the FET switches not correctly. Try a BSS138 for this or
> any other low gate voltage N-Channel FET.
> Best check is to trace the signal path with a Oscilloscope..
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> 73!
> Helmut, DB1CC
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--
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341. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-27 06:47:54 UTC
From: Cristian Tanase
Topic: 338 Message: 341

Hi Helmut,
I have a quick question for you.Since the ADC needs a full range signal to have the best SNR how did yoy succed to do that with only a small (i think 20dB) amplifier as front end ?
Considering a 20dB gain in font of the ADC, this means a voltage gain of 100 times the voltage at the input. Practically speaking 1uV signal at the input will be like 100uV after the gain stage and this is delivered directly to the ADC. It is enough for the ADC to work with this reduced voltage scale ?
Regards,Cristian.
YO3GIV.

--- On Mon, 9/26/11, Helmut Goebkes <hgoebkes@technologie2000.de> wrote:

From: Helmut Goebkes <hgoebkes@...>
Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit
To: n2adr-sdr@yahoogroups.com
Date: Monday, September 26, 2011, 3:39 PM

Hi Sid,

maybe the BS170 is not the right choice, because the output of the FPGA delivers just CMOS levels of 0 and 3.3 Volt at this pin.

BS170 Specs shows that the gate voltage is min. 3V, so

maybe the FET switches not correctly. Try a BSS138 for this or

any other low gate voltage N-Channel FET.

Best check is to trace the signal path with a Oscilloscope..

73!

Helmut, DB1CC

342. Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-28 05:55:02 UTC
From: Mario
Topic: 338 Message: 342

Hi Christian,

i think you are mixing up the things a little bit.
Of cause the ADC reaches best signal to noise if the input signal uses the full scale. But that is not what you need to have.
The signal you are sampling is the wideband sum of all the signals that come from the antenne (through preamp, preselection filters etc.)
The largest signal of these must not be bigger than the maximum input voltage of the ADC.
Of cause there can be other signals that are very weak and the readability depends on the effective resolution of the ADC. The ADC should have linear resolution steps and therefore a small signal is not a problem if the resulting resolution is enough for demodulation/decoding.
Keep in mind that the frontend gains resolution by decimation of the sampled signals. This means more or less reducing the bandwith of the received signal and getting more resolution instead.

Regarding the 20dB: 20dB is a power gain of 100. Voltage wise this is 10. As Jim, N2ADR states on his webpage the gain of the preamp is probably too low to get full sensitivity on the higher shortwave bands. Since the noise on the lower bands is much higher it is ok there. He had chosen the gain in order not to limit the dynamic range.

regards
Mario

>
> Hi Helmut,
> I have a quick question for you.Since the ADC needs a full range signal to have the best SNR how did yoy succed to do that with only a small (i think 20dB) amplifier as front end ?
> Considering a 20dB gain in font of the ADC, this means a voltage gain of 100 times the voltage at the input. Practically speaking Â 1uV signal at the input will be like 100uV after the gain stage and this is delivered directly to the ADC. It is enough for the ADC to work with this reduced voltage scale ?Â
> Regards,Cristian.
> YO3GIV.
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> --- On Mon, 9/26/11, Helmut Goebkes <hgoebkes@...> wrote:
>
> From: Helmut Goebkes <hgoebkes@...>
> Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit
> To: n2adr-sdr@yahoogroups.com

> Date: Monday, September 26, 2011, 3:39 PM
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> Hi Sid,
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>
> maybe the BS170 is not the right choice, because the output of the FPGA delivers just CMOS levels of 0 and 3.3 Volt at this pin.
>
> BS170 Specs shows that the gate voltage is min. 3V, so
>
> maybe the FET switches not correctly. Try a BSS138 for this or
>
> any other low gate voltage N-Channel FET.
>
> Best check is to trace the signal path with a Oscilloscope..
>
>
>
> 73!
>
> Helmut, DB1CC
>

343. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-28 06:40:10 UTC
From: Cristian Tanase
Topic: 338 Message: 343

Hi Mario,
Thanks for your replay.

Cristian.

--- On Wed, 9/28/11, Mario <dh5ym@...> wrote:

From: Mario <dh5ym@...>
Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit
To: n2adr-sdr@yahoogroups.com
Date: Wednesday, September 28, 2011, 8:55 AM

Hi Christian,

i think you are mixing up the things a little bit.

Of cause the ADC reaches best signal to noise if the input signal uses the full scale. But that is not what you need to have.

The signal you are sampling is the wideband sum of all the signals that come from the antenne (through preamp, preselection filters etc.)

The largest signal of these must not be bigger than the maximum input voltage of the ADC. Of cause there can be other signals that are very weak and the readability depends on the effective resolution of the ADC. The ADC should have linear resolution steps and therefore a small signal is not a problem if the resulting resolution is enough for demodulation/decoding.

Keep in mind that the frontend gains resolution by decimation of the sampled signals. This means more or less reducing the bandwith of the received signal and getting more resolution instead.

Regarding the 20dB: 20dB is a power gain of 100. Voltage wise this is 10. As Jim, N2ADR states on his webpage the gain of the preamp is probably too low to get full sensitivity on the higher shortwave bands. Since the noise on the lower bands is much higher it is ok there. He had chosen the gain in order not to limit the dynamic range.

regards

Mario

>

> Hi Helmut,

> I have a quick question for you.Since the ADC needs a full range signal to have the best SNR how did yoy succed to do that with only a small (i think 20dB) amplifier as front end ?

> Considering a 20dB gain in font of the ADC, this means a voltage gain of 100 times the voltage at the input. Practically speaking Â 1uV signal at the input will be like 100uV after the gain stage and this is delivered directly to the ADC. It is enough for the ADC to work with this reduced voltage scale ?Â

> Regards,Cristian.

> YO3GIV.

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> --- On Mon, 9/26/11, Helmut Goebkes <hgoebkes@...> wrote:

>

> From: Helmut Goebkes <hgoebkes@...>

> Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit

> To: n2adr-sdr@yahoogroups.com

> Date: Monday, September 26, 2011, 3:39 PM

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> Hi Sid,

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> maybe the BS170 is not the right choice, because the output of the FPGA delivers just CMOS levels of 0 and 3.3 Volt at this pin.

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> BS170 Specs shows that the gate voltage is min. 3V, so

>

> maybe the FET switches not correctly. Try a BSS138 for this or

>

> any other low gate voltage N-Channel FET.

>

> Best check is to trace the signal path with a Oscilloscope..

>

>

>

> 73!

>

> Helmut, DB1CC

>

344. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-28 12:55:50 UTC
From: Marciniak, Ed
Topic: 338 Message: 344

Above a certain frequency where the atmospheric noise floor has fallen enough for the noise PSD to be less than the ADC noise floor, it is inevitable that an increase in signal to noise requires frequency selective gain and likely trade of either dynamic range or bandwidth.

Consider the case of a VHF IF in a cellular base station with a SAW filter, mixer, filter, and preamp.

From: Mario [mailto:dh5ym@yahoo.co.uk]
Sent: Wednesday, September 28, 2011 12:55 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit

Hi Christian,

i think you are mixing up the things a little bit.
Of cause the ADC reaches best signal to noise if the input signal uses the full scale. But that is not what you need to have.
The signal you are sampling is the wideband sum of all the signals that come from the antenne (through preamp, preselection filters etc.)
The largest signal of these must not be bigger than the maximum input voltage of the ADC.
Of cause there can be other signals that are very weak and the readability depends on the effective resolution of the ADC. The ADC should have linear resolution steps and therefore a small signal is not a problem if the resulting resolution is enough for demodulation/decoding.
Keep in mind that the frontend gains resolution by decimation of the sampled signals. This means more or less reducing the bandwith of the received signal and getting more resolution instead.

Regarding the 20dB: 20dB is a power gain of 100. Voltage wise this is 10. As Jim, N2ADR states on his webpage the gain of the preamp is probably too low to get full sensitivity on the higher shortwave bands. Since the noise on the lower bands is much higher it is ok there. He had chosen the gain in order not to limit the dynamic range.

regards
Mario

>
> Hi Helmut,
> I have a quick question for you.Since the ADC needs a full range signal to have the best SNR how did yoy succed to do that with only a small (i think 20dB) amplifier as front end ?
> Considering a 20dB gain in font of the ADC, this means a voltage gain of 100 times the voltage at the input. Practically speaking Â 1uV signal at the input will be like 100uV after the gain stage and this is delivered directly to the ADC. It is enough for the ADC to work with this reduced voltage scale ?Â
> Regards,Cristian.

> YO3GIV.
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> --- On Mon, 9/26/11, Helmut Goebkes <hgoebkes@...> wrote:
>
> From: Helmut Goebkes <hgoebkes@...>
> Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit
> To: n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>
> Date: Monday, September 26, 2011, 3:39 PM
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> Hi Sid,
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> BS170 Specs shows that the gate voltage is min. 3V, so
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> maybe the FET switches not correctly. Try a BSS138 for this or
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> any other low gate voltage N-Channel FET.
>
> Best check is to trace the signal path with a Oscilloscope..
>
>
>
> 73!
>
> Helmut, DB1CC
>

345. small bug in Quisk Version 3.5.6

Yahoo group: n2adr-sdr
Date: 2011-09-29 05:20:23 UTC
From: Mario
Topic: 345 Message: 345

Hi,

if the current version 3.5.6 is started with soundcard as input device for the samples there is a small bug that prevents Quisk from starting.
I asked Jim and i quote his answer here:

"...
This is a bug. The solution is to change quisk.py line 1445 from

self.sidetone_volume = 0.0 # Set sidetone volume, 0.0 to 1.0

to this:

self.sidetone_volume = 0

Thanks to Leigh.

Jim - N2ADR
..."

regards
Mario

346. Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-29 06:34:22 UTC
From: Helmut Goebkes
Topic: 338 Message: 346

Hi Christian,

Mario told you the specifics and he is absolutely right.
To get better S/N at higher frequencies and be more selective to amateur bands, i am working on a Preselector/Preamp/Driver extension for HiQSDR. This extension Module holds Band specific modules with sharp Bandfilters for all Amateur Bands separately and a switchable ultra-low-noise preamp (Analog Devices) as well as a 1W-PP-driver for the TX-path. All Band filters are on pluggable modules with several control signals @ the connectors to allow active Bandfilters (for LF) and Converter modules (for VHF). There are 12 Module places who can populated with Filter / Converter modules and selected by the HiQSDR FPGA and controllable via Software.

The Band filters itself are calculated as Hi-Q Elliptic Cauer 5/7-pole types and contest proof.
All modules are RF-switched with integrated, terminated SPDT
RF-Switches from HITITE (to avoid >30 relays...) except TX-Driver who is switched by Omron HF3 RF relays.
With this board you can use the full advantage of HiQSDR in a very distorted area (like contests or in neighborhood of a BC-TX) without problems. Also on this board all switching electronics is contained for a timed control of a (later coming) 100W-PA. There are three antenna connectors, the used antenna connector and is programmable for each module.

Also you can use the Preamp/Driver extension module with a HiQSDR main module to be a complete QRP DDC/DUC TRX.
Currently i am doing the layout, in approx. two weeks the work is completed and presented here.

Best regards & 73!

Helmut, DB1CC

347. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-29 06:55:11 UTC
From: Cristian Tanase
Topic: 338 Message: 347

Hi Helmut,
Thanks for your replay.
Curently i'm designing also a board That will have the capability of working in 144MHZ , 432MHZ ,1296MHZ and 2400MHZ.The first IF is 170,6 MHZ (filtered with SAW or wider analog filter) and the second one is 14,318 MHZ. This will go into a AD9460 fron Analog Devices (16 bit 100MS/s) and AD9744 DAC for TX purposes. There is alse an analog SSB tx/rx path since i don't intend wriight now to generate digitally those signals but to have only the possibility to "sample" the received signals. After that... all comes in software.
All LO's are PLL's (ADF 4113)with Crysteck oscillators using as a reference a DDS (AD9952) in order to have fine steps.
The FPGA is a Xilinx in this case ann also with a little help from a AVR32 i hope to make FFT calculations for panoramic screen over each band.

Regarding the firmware insede the FPGA and QUISK i think these are the most valuable parts of the project.
Regarding my question in the previous E-mails i thoght that is necessary to have a little more gain in the superior bands.I supose this come with the new TX/RX front-end.
I like very much your project and i apreciate very much your work.
Cristian,YO3GIV.
--- On Thu, 9/29/11, Helmut Goebkes <hgoebkes@...> wrote:

From: Helmut Goebkes <hgoebkes@...>
Subject: [n2adr-sdr] Re: Slow RX/TX with this circuit
To: n2adr-sdr@yahoogroups.com
Date: Thursday, September 29, 2011, 9:34 AM

Hi Christian,

Mario told you the specifics and he is absolutely right.

To get better S/N at higher frequencies and be more selective to amateur bands, i am working on a Preselector/Preamp/Driver extension for HiQSDR. This extension Module holds Band specific modules with sharp Bandfilters for all Amateur Bands separately and a switchable ultra-low-noise preamp (Analog Devices) as well as a 1W-PP-driver for the TX-path. All Band filters are on pluggable modules with several control signals @ the connectors to allow active Bandfilters (for LF) and Converter modules (for VHF). There are 12 Module places who can populated with Filter / Converter modules and selected by the HiQSDR FPGA and controllable via Software.

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All modules are RF-switched with integrated, terminated SPDT

RF-Switches from HITITE (to avoid >30 relays...) except TX-Driver who is switched by Omron HF3 RF relays.

With this board you can use the full advantage of HiQSDR in a very distorted area (like contests or in neighborhood of a BC-TX) without problems. Also on this board all switching electronics is contained for a timed control of a (later coming) 100W-PA. There are three

antenna connectors, the used antenna connector and is programmable for each module.

Also you can use the Preamp/Driver extension module with a HiQSDR main module to be a complete QRP DDC/DUC TRX.

Currently i am doing the layout, in approx. two weeks the work is completed and presented here.

Best regards & 73!

Helmut, DB1CC

348. Re: [n2adr-sdr] Re: Slow RX/TX with this circuit

Yahoo group: n2adr-sdr
Date: 2011-09-29 23:16:35 UTC
From: Sid Boyce
Topic: 338 Message: 348

Excellent news Helmut, looking forward to it.

Got a crazy problem on the 192.168.2 network where I can't ping anything attached to the switch. Tried another switch but it's the same. I'm stuck until I can find out how the latest openSUSE update has screwed this network.
As much as I'd hate to, if unresolved I'll try network aliasing on the primary card and have everything attached to that 16-port gigabit switch.

When I had a working setup, I built 3 BPF's for 40m - 10m and checked all the bands a few days ago when they were all active.

There is one thing noticed only on 12m. With no BPF the graph starts off level below the band edge and rises from the band edge to the end of the display - Like if it starts off at -110 dBm it rises across and up to -40dBm, with the BPF it's very much better. The effect is still there but greatly reduced.
73 ... Sid.

On 29/09/11 07:34, Helmut Goebkes wrote:
>
> Hi Christian,
>
> Mario told you the specifics and he is absolutely right.
> To get better S/N at higher frequencies and be more selective to
> amateur bands, i am working on a Preselector/Preamp/Driver extension
> for HiQSDR. This extension Module holds Band specific modules with
> sharp Bandfilters for all Amateur Bands separately and a switchable
> ultra-low-noise preamp (Analog Devices) as well as a 1W-PP-driver for
> the TX-path. All Band filters are on pluggable modules with several
> control signals @ the connectors to allow active Bandfilters (for LF)
> and Converter modules (for VHF). There are 12 Module places who can
> populated with Filter / Converter modules and selected by the HiQSDR
> FPGA and controllable via Software.
>
> The Band filters itself are calculated as Hi-Q Elliptic Cauer 5/7-pole
> types and contest proof.
> All modules are RF-switched with integrated, terminated SPDT
> RF-Switches from HITITE (to avoid >30 relays...) except TX-Driver who
> is switched by Omron HF3 RF relays.
> With this board you can use the full advantage of HiQSDR in a very
> distorted area (like contests or in neighborhood of a BC-TX) without
> problems. Also on this board all switching electronics is contained
> for a timed control of a (later coming) 100W-PA. There are three
> antenna connectors, the used antenna connector and is programmable for
> each module.

>
> Also you can use the Preamp/Driver extension module with a HiQSDR main
> module to be a complete QRP DDC/DUC TRX.
> Currently i am doing the layout, in approx. two weeks the work is
> completed and presented here.
>
> Best regards & 73!
>
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

349. how to buy HiQSDR

Yahoo group: n2adr-sdr
Date: 2011-10-04 22:53:51 UTC
From: kd8pvz
Topic: 349 Message: 349

Hi there. I need to know where to find completed HiQSDR boards. I have a power amp. in mind but need the boards to continue my station.

350. Re: [n2adr-sdr] how to buy HiQSDR

Yahoo group: n2adr-sdr
Date: 2011-10-05 07:34:42 UTC
From: andrea montefusco
Topic: 349 Message: 350

For general informations on the project:

http://www.hiqsdr.org/

For prices and orders:

http://www.technologie2000.de/page5.php

am
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Andrea Montefusco IW0HDV

351. HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-10-21 14:46:17 UTC
From: Sid Boyce
Topic: 351 Message: 351
Attachments: 1 described; binary payloads are missing from this source WARC

Devised a new circuit to speed up the relay switching.
When I press PTT in quisk /PTT only pulls down to ~+2.3V and is not steady.
The circuit functions OK testing with a static +2.4V battery simulating
PTT and when the input pin is shorted to ground.
Suggestions?
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

352. Re: HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-10-24 11:44:05 UTC
From: Helmut Goebkes
Topic: 351 Message: 352

Hi Sid,

i cannot download you attachment, so i cannot see whats in it.
Can you please upload it to the photos or file area?

73!
Helmut, DB1CC

353. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-10-24 14:18:07 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 353

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /G3VBV/HiQSDR_PTT-brd.svg
Uploaded by : priddix <g3vbv@...>
Description : PTT Circuit - does not work

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/G3VBV/HiQSDR_PTT-brd.svg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

priddix <g3vbv@...>

354. Re: [n2adr-sdr] Re: HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-10-24 14:19:19 UTC
From: Sid Boyce
Topic: 351 Message: 354

Done, uploaded to Files --> G3VBV.
73 ... Sid.

On 24/10/11 12:44, Helmut Goebkes wrote:
>
> Hi Sid,
>
> i cannot download you attachment, so i cannot see whats in it.
> Can you please upload it to the photos or file area?
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

355. Re: [n2adr-sdr] Re: HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-10-24 15:19:23 UTC
From: Sid Boyce
Topic: 351 Message: 355

After I uploaded the .svg file I couldn't view it in a browser, so I've converted it to a .jpg which has been uploaded to Files --> G3VBV.
73 ... Sid.

On 24/10/11 12:44, Helmut Goebkes wrote:
>
> Hi Sid,
>
> i cannot download you attachment, so i cannot see whats in it.
> Can you please upload it to the photos or file area?
>
> 73!
> Helmut, DB1CC
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--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

356. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-10-25 21:19:40 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 356

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk3.5.7_mods/filter_3.5.7_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : quisk.py modified to add filter shadow

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.7_mods/filter_3.5.7_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

357. Quisk 3.5.7 modified for filter shadow

Yahoo group: n2adr-sdr
Date: 2011-10-25 21:30:13 UTC
From: wb4jfi
Topic: 357 Message: 357

I just uploaded the two main modified Quisk files to add the filter shadow, plus the text file describing my changes. Just put these in your main quisk directory, and rename them to replace the originals (after backing up the original files). If you haven't run a previous modified version of Quisk, you will also need to modify your personal quisk config file, per the last instruction in the text file.

Also, has anyone noticed some audio stuttering with Quisk 3.5.7? I'm using the Charleston Rx1 as the hardware, and now hear audio stuttering and breakup at 192ks/s, which I have not heard before Higher sample rates show the descrepency even worse. The CPU load is about the same as 3.5.5 (2 CPUs, anround 40-50%), and I'm not seeing significant errors on the Config page (comparing 3.5.5 and 3.5.7), so it doesn't look like the usual suspects. I don't hear any problems at all when running 3.5.5 alternately on the same computer. The test machine is a Sony Vaio laptop, running Ubuntu 10.04LTS.

Thanks.
Terry, WB4JFI

358. Re: [n2adr-sdr] Quisk 3.5.7 modified for filter shadow

Yahoo group: n2adr-sdr
Date: 2011-10-25 22:45:31 UTC
From: Sid Boyce
Topic: 357 Message: 358

One problem in the filter file, causes and indent error when quisk starts up
There is one too many spaces (3 instead of 2) at the beginning of line 512.
def SetTuningLine(self, tune_tx, tune_rx):

At 96K/192K on UHFSDR + SDR-Widget severe stuttering so that signals are
not readable, OK at 48K.
CPU around 30%.
73 ... Sid.

On 25/10/11 22:30, wb4jfi wrote:
>
> I just uploaded the two main modified Quisk files to add the filter
> shadow, plus the text file describing my changes. Just put these in
> your main quisk directory, and rename them to replace the originals
> (after backing up the original files). If you haven't run a previous
> modified version of Quisk, you will also need to modify your personal
> quisk config file, per the last instruction in the text file.
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> using the Charleston Rx1 as the hardware, and now hear audio
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> about the same as 3.5.5 (2 CPUs, anround 40-50%), and I'm not seeing
> significant errors on the Config page (comparing 3.5.5 and 3.5.7), so
> it doesn't look like the usual suspects. I don't hear any problems at
> all when running 3.5.5 alternately on the same computer. The test
> machine is a Sony Vaio laptop, running Ubuntu 10.04LTS.
>
> Thanks.
> Terry, WB4JFI
>
>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

359. Re: [n2adr-sdr] Quisk 3.5.7 modified for filter shadow

Yahoo group: n2adr-sdr
Date: 2011-10-25 22:53:03 UTC
From: Sid Boyce
Topic: 357 Message: 359

One problem in the filter file, causes and indent error when quisk starts up
There is one too many spaces (3 instead of 2) at the beginning of line 512.
def SetTuningLine(self, tune_tx, tune_rx):

At 96K/192K on UHFSDR + SDR-Widget severe stuttering so that signals are
not readable, OK at 48K.
CPU around 30% @192K, 4 CPU's, 68% @48K.
73 ... Sid.

On 25/10/11 22:30, wb4jfi wrote:
>
> I just uploaded the two main modified Quisk files to add the filter
> shadow, plus the text file describing my changes. Just put these in
> your main quisk directory, and rename them to replace the originals
> (after backing up the original files). If you haven't run a previous
> modified version of Quisk, you will also need to modify your personal
> quisk config file, per the last instruction in the text file.
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> machine is a Sony Vaio laptop, running Ubuntu 10.04LTS.
>
> Thanks.
> Terry, WB4JFI
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>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

360. Re: Quisk 3.5.7 modified for filter shadow

Yahoo group: n2adr-sdr
Date: 2011-10-26 00:00:27 UTC
From: wb4jfi
Topic: 357 Message: 360

Yes, sorry. I fixed that, but apparently sent the older version by mistake. Duuh... I will upload the correct one shortly.
Thanks Sid.
Terry

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> One problem in the filter file, causes and indent error when quisk starts up
> There is one too many spaces (3 instead of 2) at the beginning of line 512.
> def SetTuningLine(self, tune_tx, tune_rx):
>
> At 96K/192K on UHFSDR + SDR-Widget severe stuttering so that signals are
> not readable, OK at 48K.
> CPU around 30% @192K, 4 CPU's, 68% @48K.
> 73 ... Sid.
>
> On 25/10/11 22:30, wb4jfi wrote:
> >
> > I just uploaded the two main modified Quisk files to add the filter
> > shadow, plus the text file describing my changes. Just put these in
> > your main quisk directory, and rename them to replace the originals
> > (after backing up the original files). If you haven't run a previous
> > modified version of Quisk, you will also need to modify your personal
> > quisk config file, per the last instruction in the text file.
> >
> > Also, has anyone noticed some audio stuttering with Quisk 3.5.7? I'm
> > using the Charleston Rx1 as the hardware, and now hear audio
> > stuttering and breakup at 192ks/s, which I have not heard before
> > Higher sample rates show the descrepency even worse. The CPU load is
> > about the same as 3.5.5 (2 CPUs, anround 40-50%), and I'm not seeing
> > significant errors on the Config page (comparing 3.5.5 and 3.5.7), so
> > it doesn't look like the usual suspects. I don't hear any problems at
> > all when running 3.5.5 alternately on the same computer. The test
> > machine is a Sony Vaio laptop, running Ubuntu 10.04LTS.
> >
> > Thanks.
> > Terry, WB4JFI
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach

> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

361. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-10-26 00:22:40 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 361

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk3.5.7_mods/filter_3.5.7_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : fixed 3.5.7 quisk.py with filter shadow mods

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.7_mods/filter_3.5.7_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

362. Quisk 3.5.8

Yahoo group: n2adr-sdr
Date: 2011-10-29 10:25:31 UTC
From: Mario
Topic: 362 Message: 362

News from Jims page:

"
Quisk Version 3.5.8 October 2011
================================
The Windows version is now equal to the Linux version, and transmits properly.

I added a parameter agc_off_gain to the config file. It controls the audio gain
when AGC is off. Reduce it if sound with AGC off is too loud. Note that even with
AGC off, the output is limited to the clip level. I made some other improvements to AGC.

I added FM transmit. The modulation index can be set in your config file.

I made some improvements to demodulation, and to the SSB transmit filter. I fixed an
array out of bounds bug in transmit.
"

363. HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-10-21 19:28:29 UTC
From: Sid Boyce
Topic: 351 Message: 363
Attachments: 1 described; binary payloads are missing from this source WARC

Devised a new circuit to speed up the relay switching.
When I press PTT in quisk /PTT only pulls down to ~+2.3V and is not steady - floating around that value.
The circuit functions OK testing with a static +2.4V battery simulating PTT and when the input pin is shorted to ground.

As far as I can tell the HiQSDR offers an open collector in series with a 100 ohm resistor and I am connecting it in series with 10K to +3.3V from pin 9 of N1.
Suggestions?
73 ... Sid.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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364. Re: HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-11-02 21:11:14 UTC
From: Mario
Topic: 351 Message: 364

Hi Sid,

i assume /PTT is X1 pin 6, right ?
This pin is the inverted state of the internal key_down signal.
This should really be low-active during TX. I do not know why this does not work for your board. Does the voltage also not go down if you just connect a pullup resistor ?
I am not really familar with Verilog but from the sources i do not see a reason why the pin shouldnt be able to drive low level.
Which one of the files you uploaded is your current PTT circuit ?

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Devised a new circuit to speed up the relay switching.
> When I press PTT in quisk /PTT only pulls down to ~+2.3V and is not
> steady - floating around that value.
> The circuit functions OK testing with a static +2.4V battery simulating
> PTT and when the input pin is shorted to ground.
>
> As far as I can tell the HiQSDR offers an open collector in series with
> a 100 ohm resistor and I am connecting it in series with 10K to +3.3V
> from pin 9 of N1.
> Suggestions?
> 73 ... Sid.
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

365. Re: [n2adr-sdr] Re: HiQSDR circuit problem.

Yahoo group: n2adr-sdr
Date: 2011-11-02 22:34:20 UTC
From: Sid Boyce
Topic: 351 Message: 365

Correct, there is an amended file in my directory (HiQSDR_PTT.png) which shows Pin 6 /PTT, Pin 10 GND and Pin 9 is the +3.3V.
I have also tried R1=3.3K and R2=4.7K instead of 10K's.
Checked the continuity of the cable to pins 6 and 10 and +3.3V from Pin 9 is present.
Next I'll substitute a VN10KM/WM211 for the BS170 but I would expect the 10K or 3.3K pull-up to +3.3V would cause /PTT to go LOW.
73 ... Sid.

On 02/11/11 21:11, Mario wrote:
>
> Hi Sid,
>
> i assume /PTT is X1 pin 6, right ?
> This pin is the inverted state of the internal key_down signal.
> This should really be low-active during TX. I do not know why this
> does not work for your board. Does the voltage also not go down if you
> just connect a pullup resistor ?
> I am not really familar with Verilog but from the sources i do not see
> a reason why the pin shouldnt be able to drive low level.
> Which one of the files you uploaded is your current PTT circuit ?
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Devised a new circuit to speed up the relay switching.
> > When I press PTT in quisk /PTT only pulls down to ~+2.3V and is not
> > steady - floating around that value.
> > The circuit functions OK testing with a static +2.4V battery simulating
> > PTT and when the input pin is shorted to ground.
> >
> > As far as I can tell the HiQSDR offers an open collector in series with
> > a 100 ohm resistor and I am connecting it in series with 10K to +3.3V
> > from pin 9 of N1.
> > Suggestions?
> > 73 ... Sid.
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >

>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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366. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2011-11-02 23:13:34 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 366

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk_3.5.8/filter_3.5.8_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : main quisk.py file with filter shadow mods

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk_3.5.8/filter_3
.5.8_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

367. Quisk 3.5.8 filter mods uploaded

Yahoo group: n2adr-sdr
Date: 2011-11-02 23:16:12 UTC
From: wb4jfi
Topic: 367 Message: 367

I just uploaded the 3.5.8 quisk files modified to add the filter shadow. I think that I got it right this time...
Terry, WB4JFI

368. Re: [n2adr-sdr] Quisk 3.5.8 filter mods uploaded

Yahoo group: n2adr-sdr
Date: 2011-11-03 00:15:22 UTC
From: Sid Boyce
Topic: 367 Message: 368

Solid, thanks Terry.
73 ... Sid.

On 02/11/11 23:16, wb4jfi wrote:
>
> I just uploaded the 3.5.8 quisk files modified to add the filter
> shadow. I think that I got it right this time...
> Terry, WB4JFI
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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370. WSPR-HiQSDR TX success

Yahoo group: n2adr-sdr
Date: 2011-11-05 06:26:53 UTC
From: rv3apm1
Topic: 370 Message: 370

Hi to All

I had success with running HiQSDR on WSPR TX
used Windows 7 QUISK 3.5.8 WSPR software
connected Mic IN with Speaker out on my laptop sound card (FDX not good for this situation), for PTT use PTT button in QUISK
RX-TX switch antenna with Elad switch box.
The next tried Virtual audio cable VAC1-VAC2 with Full duplex FDX - also good.
Very useful button Scope - I see form output signal and keep it correct without limit!

Also did check output signal on my receiver - Perseus and it seems OK!
pictures TX in my folder - file section

Please watch my link - SWL report on the world 40 and 20m
50mW HiQSDR Delta DX-A
http://wsprnet.org/olddb?mode=html&band=40&limit=50&findcall=rv3apm&findreporter\
=&sort=date
http://wsprnet.org/olddb?mode=html&band=20&limit=50&findcall=rv3apm&findreporter=&sort=dat
e

--

73! Serge

373. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-11-10 12:06:08 UTC
From: rv3apm1
Topic: 320 Message: 373

Hi Mario,

For receive (Ubuntu 11.10) - I connected Line(MIC) IN with Speaker- Line out
First running Decode Software like FLdigi
and later QIUSK
- all working here but no success on TX .... probably must more study
in Win 7 it work on RX-TX

73 Serge

374. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-11-10 17:13:17 UTC
From: Guenter DL7LA
Topic: 320 Message: 374

Hi, all,

seems I'm well off with my hardware: The soundcard is an Intel ALC880 on-board soundcard (a number od in- and outputs, all kinds of jingles and bells) under Ubuntu_11.04. Configuring fldigi 3.21.8-3 for portaudio gets quisk's output directly to fldigi's input without any cables.

In addition to the usual ALSA stuff I have installed the Pulse Audio Sound Server 1:09.22 and libjack01:0.118+..., python-pyaudio 0.2.4-2 as well as libasound2-plugins 1:0-24.

I suppose I'm lucky that this works for me since I must admit that some of these modules were included automatically when installing a moin module.

However, no software (e.g. gmfsk oder flarq) that uses a /dev/dspX input will work in my setup and googling around quite a lot until now I did not find any remedy. All ideas welcome...

73
Guenter
DL7LA

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> i tried to get the audio from quisk to another software under Linux Ubuntu 11.04 but was not successfull so far.
> I understand using a second soundcard would be easy but i like to get the audio forwarded internally.
> I tried to establish a link from Alsa to the Jackd and obviously some samples were forwarded from Quisk via Alsa to Jack and played at the soundcard. Unfortunately the audio was corrupt. I did not search for the reason so far. Probably sample rate issues ?
> The other chance might be to setup a virtual soundcard in the alsa configuration. Until know i have understood how to do this ;)
> Third option: I already had a successfull link between Quisk and pulseaudio via a link over Alsa. Unfortunately this stops working after a few seconds.
> The best choice might be implementing jackd support into Quisk ;)
>
> Was anyone more successfull than me ?
>
> regards
> Mario
>

375. Re: [n2adr-sdr] Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-11-10 17:34:44 UTC
From: Sid Boyce
Topic: 320 Message: 375

Are you using jack_connect or is it all happening because fldigi is
getting sound input automatically from the output stream?
73 ... Sid.

On 10/11/11 17:13, Guenter DL7LA wrote:
>
> Hi, all,
>
> seems I'm well off with my hardware: The soundcard is an Intel ALC880
> on-board soundcard (a number od in- and outputs, all kinds of jingles
> and bells) under Ubuntu_11.04. Configuring fldigi 3.21.8-3 for
> portaudio gets quisk's output directly to fldigi's input without any
> cables.
>
> In addition to the usual ALSA stuff I have installed the Pulse Audio
> Sound Server 1:09.22 and libjack01:0.118+..., python-pyaudio 0.2.4-2
> as well as libasound2-plugins 1:0-24.
>
> I suppose I'm lucky that this works for me since I must admit that
> some of these modules were included automatically when installing a
> moin module.
>
> However, no software (e.g. gmfsk oder flarq) that uses a /dev/dspX
> input will work in my setup and googling around quite a lot until now
> I did not find any remedy. All ideas welcome...
>
> 73
> Guenter
> DL7LA
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Mario" <dh5ym@...> wrote:
> >
> > Hi,
> >
> > i tried to get the audio from quisk to another software under Linux
> Ubuntu 11.04 but was not successfull so far.
> > I understand using a second soundcard would be easy but i like to
> get the audio forwarded internally.
> > I tried to establish a link from Alsa to the Jackd and obviously
> some samples were forwarded from Quisk via Alsa to Jack and played at
> the soundcard. Unfortunately the audio was corrupt. I did not search
> for the reason so far. Probably sample rate issues ?
> > The other chance might be to setup a virtual soundcard in the alsa
> configuration. Until know i have understood how to do this ;)

> > Third option: I already had a successfull link between Quisk and
> pulseaudio via a link over Alsa. Unfortunately this stops working
> after a few seconds.
> > The best choice might be implementing jackd support into Quisk ;)
> >
> > Was anyone more successfull than me ?
> >
> > regards
> > Mario
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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376. The impatience of a three year old who wants his toy

Yahoo group: n2adr-sdr
Date: 2011-11-12 16:51:52 UTC
From: cybinlabs
Topic: 376 Message: 376

I've posted several e-mails to sales@... to make a purchase of a HiQSDR PCB. But after several days with no reply I'm becoming frustrated like a three year old that has to have his toys now! I sure would like to get my hands on a PCB! Am I missing something? Other than patience:)

377. Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2011-11-12 17:57:07 UTC
From: Jerry Dunmire
Topic: 377 Message: 377

Well, sort of. I've got fldigi decoding signals received by quisk, though I haven't found a way to allow fldigi to control the quisk frequency setting.
If anyone is interested, I documented the steps at https://sites.google.com/site/rockingdlabs/exercises-experiments/quisk-and-fldigi .

73,
...jerry
KA6HLD

378. Re: The impatience of a three year old who wants his toy

Yahoo group: n2adr-sdr
Date: 2011-11-12 20:05:37 UTC
From: Mario
Topic: 376 Message: 378

Hi,

just have some more patience. Helmut is running the PCB stuff as a one-man show and sometimes he also has to take some dazs off. Just drop him another line if you do not get a response after a week.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "cybinlabs" <cybin@...> wrote:
>
> I've posted several e-mails to sales@... to make a purchase of a HiQSDR PCB. But after several days with no reply I'm becoming frustrated like a three year old that has to have his toys now! I sure would like to get my hands on a PCB! Am I missing something? Other than patience:)
>

379. DG7MGY photo labelled incorrectly

Yahoo group: n2adr-sdr
Date: 2011-11-13 02:52:57 UTC
From: Sid Boyce
Topic: 379 Message: 379

I was just going through the photos and I noticed the board looks
incorrectly labelled when checked against the circuit diagram.
The circuit diagram shows RN1 and RN2 going to X1 and the board layout
has pins 61 - 69 going to what is labelled X2 in the photo.

X1 is the top left connector and X2 is the top right connector according
to the circuit diagram.

I am using firmware 1.1.
I have been trying to get my RX/TX switch working with it connected to
the top left connector.

73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

380. Re: DG7MGY photo labelled incorrectly

Yahoo group: n2adr-sdr
Date: 2011-11-13 09:10:43 UTC
From: Hubert
Topic: 379 Message: 380

Hello Sid,
i have corrected the File HiQSDR_V2.4t_TOP_CONNECT.jpg from my file folder now the connectors X1 X2 X3 are ok.

mny tnx dear Sid 73
Hubert DG7MGY

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I was just going through the photos and I noticed the board looks
> incorrectly labelled when checked against the circuit diagram.
> The circuit diagram shows RN1 and RN2 going to X1 and the board layout
> has pins 61 - 69 going to what is labelled X2 in the photo.
>
> X1 is the top left connector and X2 is the top right connector according
> to the circuit diagram.
>
> I am using firmware 1.1.
> I have been trying to get my RX/TX switch working with it connected to
> the top left connector.
>
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

381. Re: [n2adr-sdr] Re: DG7MGY photo labelled incorrectly

Yahoo group: n2adr-sdr
Date: 2011-11-13 14:31:16 UTC
From: Sid Boyce
Topic: 379 Message: 381

No problem, it did make me dig a bit deeper and compare Helmut's Top.pdf
with the circuit diagram.
Thanks
73 ... Sid.

On 13/11/11 09:10, Hubert wrote:
>
> Hello Sid,
> i have corrected the File HiQSDR_V2.4t_TOP_CONNECT.jpg from my file
> folder now the connectors X1 X2 X3 are ok.
>
> mny tnx dear Sid 73
> Hubert DG7MGY
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I was just going through the photos and I noticed the board looks
> > incorrectly labelled when checked against the circuit diagram.
> > The circuit diagram shows RN1 and RN2 going to X1 and the board layout
> > has pins 61 - 69 going to what is labelled X2 in the photo.
> >
> > X1 is the top left connector and X2 is the top right connector
> according
> > to the circuit diagram.
> >
> > I am using firmware 1.1.
> > I have been trying to get my RX/TX switch working with it connected to
> > the top left connector.
> >
> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach

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382. Re: Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2011-11-13 15:53:59 UTC
From: rv3apm1
Topic: 377 Message: 382

Jerry,

Thank you so much!
Very useful and clear , did all in 15 minutes on Ubuntu 11.10 64 bit
and now can receive with pair Fldigi -HiQSDR and QRSS_VD-HiQSDR
all with pulse audio, no cables.
Not tried transmission - will do later.

73, Serge , RV3APM

--- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@...> wrote:
>
> Well, sort of. I've got fldigi decoding signals received by quisk, though I
> haven't found a way to allow fldigi to control the quisk frequency setting.
> If anyone is interested, I documented the steps at
> https://sites.google.com/site/rockingdlabs/exercises-experiments/quisk-and-fldigi
> .
>
> 73,
> ...jerry
> KA6HLD
>

383. Re: [n2adr-sdr] Re: Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2011-11-13 17:26:15 UTC
From: Jerry Dunmire
Topic: 377 Message: 383

Hi Serge,
When you get the transmission going, let me know and I'll add it to the instructions. I don't have an SDR TX yet so haven't tried it myself.

73,
...jerry
KA6HLD

On Sun, Nov 13, 2011 at 7:53 AM, rv3apm1 <rv3apm@gmail.com> wrote:

> **
>
>
>
> Jerry,
>
> Thank you so much!
> Very useful and clear , did all in 15 minutes on Ubuntu 11.10 64 bit
> and now can receive with pair Fldigi -HiQSDR and QRSS_VD-HiQSDR
> all with pulse audio, no cables.
> Not tried transmission - will do later.
>
> 73, Serge , RV3APM
>
>
> --- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@...> wrote:
> >
> > Well, sort of. I've got fldigi decoding signals received by quisk,
> though I
> > haven't found a way to allow fldigi to control the quisk frequency
> setting.
> > If anyone is interested, I documented the steps at
> >
> https://sites.google.com/site/rockingdlabs/exercises-experiments/quisk-and-fldigi
> > .
> >
> > 73,
> > ...jerry
> > KA6HLD
> >
>
>
>

385. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-11-13 22:18:01 UTC
From: Guenter DL7LA
Topic: 320 Message: 385

Not to my knowledge, seems to work automatically by hidden magic. I tried jack on several occasions but could never get it to cooperate with quisk - under Ubuntu 10.04 and ever after.. Right now the only components that show up as 'installed' in Synaptic are libjack0 and libjack-dev. Fldigi reports input when set to portaudio as its input source, that's all. No reverse frequency control from fldigi into quisk either.

73 Guenter

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Are you using jack_connect or is it all happening because fldigi is
> getting sound input automatically from the output st
ream?
> 73 ... Sid.
>
> On 10/11/11 17:13, Guenter DL7LA wrote:
> >
> > Hi, all,
> >
> > seems I'm well off with my hardware: The soundcard is an Intel ALC880
> > on-board soundcard (a number od in- and outputs, all kinds of jingles
> > and bells) under Ubuntu_11.04. Configuring fldigi 3.21.8-3 for
> > portaudio gets quisk's output directly to fldigi's input without any
> > cables.
> >
> > In addition to the usual ALSA stuff I have installed the Pulse Audio
> > Sound Server 1:09.22 and libjack01:0.118+..., python-pyaudio 0.2.4-2
> > as well as libasound2-plugins 1:0-24.
> >
> > I suppose I'm lucky that this works for me since I must admit that
> > some of these modules were included automatically when installing a
> > moin module.
> >
> > However, no software (e.g. gmfsk oder flarq) that uses a /dev/dspX
> > input will work in my setup and googling around quite a lot until now
> > I did not find any remedy. All ideas welcome...
> >
> > 73
> > Guenter
> > DL7LA
> >
> > --- In n2adr-sdr@...m <mailto:n2adr-sdr%40yahoogroups.com>,
> > "Mario" <dh5ym@> wrote:
> > >
> > > Hi,

> > >
> > > i tried to get the audio from quisk to another software under Linux
> > Ubuntu 11.04 but was not successfull so far.
> > > I understand using a second soundcard would be easy but i like to
> > get the audio forwarded internally.
> > > I tried to establish a link from Alsa to the Jackd and obviously
> > some samples were forwarded from Quisk via Alsa to Jack and played at
> > the soundcard. Unfortunately the audio was corrupt. I did not search
> > for the reason so far. Probably sample rate issues ?
> > > The other chance might be to setup a virtual soundcard in the alsa
> > configuration. Until know i have understood how to do this ;)
> > > Third option: I already had a successfull link between Quisk and
> > pulseaudio via a link over Alsa. Unfortunately this stops working
> > after a few seconds.
> > > The best choice might be implementing jackd support into Quisk ;)
> > >
> > > Was anyone more successfull than me ?
> > >
> > > regards
> > > Mario
> > >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

386. Re: Quisk connect audio to other software under Linux ?

Yahoo group: n2adr-sdr
Date: 2011-11-14 20:32:16 UTC
From: Mario
Topic: 320 Message: 386

Hi,

i can confirm that pulseaudio also works for me.
I tried this a while ago and had not much success. I think this was because i had the latency value too low. With latency at 200 i did not discover stoping audio anymore. I also tried with WSPR.
The TX side seems to work via pulseaudio as well since i saw a TX signal when using the full-duplex mode. I did not have a closer look.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Not to my knowledge, seems to work automatically by hidden magic. I tried jack on several occasions but could never get it to cooperate with quisk - under Ubuntu 10.04 and ever after.. Right now the only components that show up as 'installed' in Synaptic are libjack0 and libjack-dev. Fldigi reports input when set to portaudio as its input source, that's all. No reverse frequency control from fldigi into quisk either.
>
> 73 Guenter
>
> --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> >
> > Are you using jack_connect or is it all happening because fldigi is
> > getting sound input automatically from the output st
> ream?
> > 73 ... Sid.
> >
> > On 10/11/11 17:13, Guenter DL7LA wrote:
> > >
> > > Hi, all,
> > >
> > > seems I'm well off with my hardware: The soundcard is an Intel ALC880
> > > on-board soundcard (a number od in- and outputs, all kinds of jingles
> > > and bells) under Ubuntu_11.04. Configuring fldigi 3.21.8-3 for
> > > portaudio gets quisk's output directly to fldigi's input without any
> > > cables.
> > >
> > > In addition to the usual ALSA stuff I have installed the Pulse Audio
> > > Sound Server 1:09.22 and libjack01:0.118+..., python-pyaudio 0.2.4-2
> > > as well as libasound2-plugins 1:0-24.
> > >
> > > I suppose I'm lucky that this works for me since I must admit that
> > > some of these modules were included automatically when installing a
> > > moin module.

> > >
> > > However, no software (e.g. gmfsk oder flarq) that uses a /dev/dspX
> > > input will work in my setup and googling around quite a lot until now
> > > I did not find any remedy. All ideas welcome...
> > >
> > > 73
> > > Guenter
> > > DL7LA
> > >
> > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > "Mario" <dh5ym@> wrote:
> > > >
> > > > Hi,
> > > >
> > > > i tried to get the audio from quisk to another software under Linux
> > > Ubuntu 11.04 but was not successfull so far.
> > > > I understand using a second soundcard would be easy but i like to
> > > get the audio forwarded internally.
> > > > I tried to establish a link from Alsa to the Jackd and obviously
> > > some samples were forwarded from Quisk via Alsa to Jack and played at
> > > the soundcard. Unfortunately the audio was corrupt. I did not search
> > > for the reason so far. Probably sample rate issues ?
> > > > The other chance might be to setup a virtual soundcard in the alsa
> > > configuration. Until know i have understood how to do this ;)
> > > > Third option: I already had a successfull link between Quisk and
> > > pulseaudio via a link over Alsa. Unfortunately this stops working
> > > after a few seconds.
> > > > The best choice might be implementing jackd support into Quisk ;)
> > > >
> > > > Was anyone more successfull than me ?
> > > >
> > > > regards
> > > > Mario
> > > >
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>

387. Re: Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2011-11-14 21:46:00 UTC
From: rv3apm1
Topic: 377 Message: 387

Hi Jerry

Seems all well - tried today TX with pulse QUISK3.5.9-WSPR3
my 50 mW received in Germany
No any special instructions - just always "pulse" - in-out and may be optimization level

Thanks
73 Serge

--- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@...> wrote:
>
> Hi Serge,
> When you get the transmission going, let me know and I'll add it to the
> instructions. I don't have an SDR TX yet so haven't tried it myself.
>
> 73,
> ...jerry
> KA6HLD
>
> On Sun, Nov 13, 2011 at 7:53 AM, rv3apm1 <rv3apm@...> wrote:
>
> > **
> > >
> > >
> > >
> > > Jerry,
> > >
> > > Thank you so much!
> > > Very useful and clear , did all in 15 minutes on Ubuntu 11.10 64 bit
> > > and now can receive with pair Fldigi -HiQSDR and QRSS_VD-HiQSDR
> > > all with pulse audio, no cables.
> > > Not tried transmission - will do later.
> > >
> > > 73, Serge , RV3APM
> > >
> > >
> > > --- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@> wrote:
> > > >
> > > > Well, sort of. I've got fldigi decoding signals received by quisk,
> > > though I
> > > > haven't found a way to allow fldigi to control the quisk frequency
> > > setting.
> > > > If anyone is interested, I documented the steps at
> > > >
> > > https://sites.google.com/site/rockingdlabs/exercises-experiments/quisk-and-fldigi
> > > > .

> > >
> > > 73,
> > > ...jerry
> > > KA6HLD
> > >
> >
> >
> >
>

388. Re: [n2adr-sdr] Re: Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2011-11-15 01:25:29 UTC
From: Jerry Dunmire
Topic: 377 Message: 388

Hi Serge,
Thanks for the update. Sounds like was as easy as I had hoped. I'm looking forward to getting my on Ensemble RX/TX!

73,
...jerry
KA6HLD

On Mon, Nov 14, 2011 at 1:46 PM, rv3apm1 <rv3apm@...> wrote:

> **
>
>
>
> Hi Jerry
>
> Seems all well - tried today TX with pulse QUISK3.5.9-WSPR3
> my 50 mW received in Germany
> No any special instructions - just always "pulse" - in-out and may be
> optimization level
>
> Thanks
> 73 Serge
>
>
> --- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@...> wrote:
> >
> > Hi Serge,
> > When you get the transmission going, let me know and I'll add it to the
> > instructions. I don't have an SDR TX yet so haven't tried it myself.
> >
> > 73,
> > ...jerry
> > KA6HLD
> >
> > On Sun, Nov 13, 2011 at 7:53 AM, rv3apm1 <rv3apm@...> wrote:
> >
> > > **
>
> >
> > >
> > >
> > >
> > > Jerry,
> > >
> > > Thank you so much!
> > > Very useful and clear , did all in 15 minutes on Ubuntu 11.10 64 bit

> > > and now can receive with pair Fldigi -HiQSDR and QRSS_VD-HiQSDR
> > > all with pulse audio, no cables.
> > > Not tried transmission - will do later.
> > >
> > > 73, Serge , RV3APM
> > >
> > >
> > > --- In n2adr-sdr@yahoogroups.com, Jerry Dunmire <jedunmire@> wrote:
> > > >
> > > > Well, sort of. I've got fldigi decoding signals received by quisk,
> > > though I
> > > > haven't found a way to allow fldigi to control the quisk frequency
> > > setting.
> > > > If anyone is interested, I documented the steps at
> > > >
> > > >
> https://sites.google.com/site/rockingdlabs/exercises-experiments/quisk-and-fldigi
> > > > .
> > > >
> > > > 73,
> > > > ...jerry
> > > > KA6HLD
> > > >
> > >
> > >
> > >
> >
>
>
>

389. Are PCB source files available?

Yahoo group: n2adr-sdr
Date: 2011-11-23 04:09:22 UTC
From: cybinlabs
Topic: 389 Message: 389

Normally, there would be no special advantage in going to the agrivation of ordering a PCB from the source files but since Helmut is not responding to numerous queries about the purchase of a PCB and since I've already tied up hundreds of bucks for parts with the expectation of putting a board together I'm left with only two alternatives. Load up the source into the Target3000 editor discussed by Helmut at the technologie2000.com site and order a board, or take the time to do yet another layout starting from scratch.

Seems to me, in keeping with the spirit of Open Source, the PCB source should be made available if it isn't already. However, going into the files section I find "no joy".

If anyone has a better suggestion, I'm certainly interested. I really would prefer to just order a board by the first method even though a PCB-Pool/Target3000 - order has rough parity in price.

390. Re: Are PCB source files available?

Yahoo group: n2adr-sdr
Date: 2011-12-06 06:20:31 UTC
From: Mario
Topic: 389 Message: 390

Hi,

i think Helmut already responded to your request, right ?

Hope you have success with getting your transceiver assembled and running. I have also still one PCB to be assembled.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "cybinlabs" <cybin@...> wrote:
>
> Normally, there would be no special advantage in going to the agrivation of ordering a PCB from the source files but since Helmut is not responding to numerous queries about the purchase of a PCB and since I've already tied up hundreds of bucks for parts with the expectation of putting a board together I'm left with only two alternatives. Load up the source into the Target3000 editor discussed by Helmut at the technologie2000.com site and order a board, or take the time to do yet another layout starting from scratch.
>
> Seems to me, in keeping with the spirit of Open Source, the PCB source should be made available if it isn't already. However, going into the files section I find "no joy".
>
> If anyone has a better suggestion, I'm certainly interested. I really would prefer to just order a board by the first method even though a PCB-Pool/Target3000 - order has rough parity in price.
>

391. Re: [n2adr-sdr] Re: Are PCB source files available?

Yahoo group: n2adr-sdr
Date: 2011-12-07 15:06:13 UTC
From: cybin
Topic: 389 Message: 391

Mario:

Yes, my board is on the way.

Thanks for asking.

73

Chuck Glasser

On Dec 5, 2011, at 11:20 PM, Mario wrote:

> Hi,
>
> i think Helmut already responded to your request, right ?
>
> Hope you have success with getting your transceiver assembled and
> running. I have also still one PCB to be assembled.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "cybinlabs" <cybin@...> wrote:
> >
> > Normally, there would be no special advantage in going to the
> agrivation of ordering a PCB from the source files but since Helmut
> is not responding to numerous queries about the purchase of a PCB
> and since I've already tied up hundreds of bucks for parts with the
> expectation of putting a board together I'm left with only two
> alternatives. Load up the source into the Target3000 editor
> discussed by Helmut at the technologie2000.com site and order a
> board, or take the time to do yet another layout starting from
> scratch.
> >
> > Seems to me, in keeping with the spirit of Open Source, the PCB
> source should be made available if it isn't already. However, going
> into the files section I find "no joy".
> >
> > If anyone has a better suggestion, I'm certainly interested. I
> really would prefer to just order a board by the first method even
> though a PCB-Pool/Target3000 - order has rough parity in price.
> >
>
>

392. Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-16 09:02:40 UTC
From: Mario
Topic: 392 Message: 392

Hi,

i have put a pdf to the files section with which i started to document the control and the frame format of the HiQSDR frontend.
It is still far away from beeing complete and there are some questions but i think it is worth that someone with software experience looks to that and asks which information is missing.
I also started to do some test-implementation within Octave (Matlab clone) but only a few first steps are done there.
Hopefully in the end we have a description and a example implementation to show how to use the frontend.

regards
Mario

393. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-16 09:36:09 UTC
From: Helmut Goebkes
Topic: 392 Message: 393

Hi Mario,

thanks to start this good work!
I reread your doc, seems like a perfect base for all software implementers, but also just for have a closer look into Quisk/HiQSDR!

btw: Preselector/Preamp/Driver board is coming to completion, i had a lot of QRL but now i have a litte bit time to complete the pcb artwork ;-)

73!

Helmut, DB1CC

394. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-16 12:58:30 UTC
From: Rob Frohne
Topic: 392 Message: 394
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Mario,

Your sleuthing is quite valuable. Some folk read the code as well as
your English, but not me. ;-)

Again, thanks for your good work!

73,

Rob
KL7NA

On 12/16/2011 01:36 AM, Helmut Goebkes wrote:
>
> Hi Mario,
>
> thanks to start this good work!
> I reread your doc, seems like a perfect base for all software
> implementers, but also just for have a closer look into Quisk/HiQSDR!
>
> btw: Preselector/Preamp/Driver board is coming to completion, i had a
> lot of QRL but now i have a litte bit time to complete the pcb artwork ;-)
>
> 73!
>
> Helmut, DB1CC
>
>

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

395. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-16 13:51:59 UTC
From: Sid Boyce
Topic: 392 Message: 395

A brilliant start Mario.
I downloaded it last night and read it about 2 hours ago. It set me thinking about hamlib support.
73 ... Sid.

On 16/12/11 09:02, Mario wrote:
>
> Hi,
>
> i have put a pdf to the files section with which i started to document
> the control and the frame format of the HiQSDR frontend.
> It is still far away from beeing complete and there are some questions
> but i think it is worth that someone with software experience looks to
> that and asks which information is missing.
> I also started to do some test-implementation within Octave (Matlab
> clone) but only a few first steps are done there.
> Hopefully in the end we have a description and a example
> implementation to show how to use the frontend.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

396. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-16 14:00:48 UTC
From: Sid Boyce
Topic: 392 Message: 396

Thanks for the update Helmut.
I haven't got back to looking at my RX/TX switching problem.

If my memory serves me right I think N1 pin 6 on TX was 0V with no switching circuit connected when I initially powered up and poked around. The last measurement I made it was floating around +2V on TX. I'll go back and check it with pin 6 disconnected to see if it's a possible FPGA problem or my circuit is not allowing it to switch to 0V.
73 ... Sid.

On 16/12/11 09:36, Helmut Goebkes wrote:
>
> Hi Mario,
>
> thanks to start this good work!
> I reread your doc, seems like a perfect base for all software
> implementers, but also just for have a closer look into Quisk/HiQSDR!
>
> btw: Preselector/Preamp/Driver board is coming to completion, i had a
> lot of QRL but now i have a litte bit time to complete the pcb artwork ;-)
>
> 73!
>
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

397. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-25 13:00:34 UTC
From: heyo_74
Topic: 392 Message: 397

Hi Mario and all others,

i'm quite new to this group. And it looks it's a very good timing. I joined to get some more information on how to control this transceiver - which i found here.

Your spec looks good. But there are still some questions:

* The control word has independent RXPhase and TXPhase. Are them useful independently? At the same time? Is full-duplex communication with different frequencies possible?

* Is TxLvl linear? What output power is achieved?

* Is Decimation = 1 usable - as it's not even? I'm interested in the highest possible bandwidth and there's no need to play to soundcard.
Is the information "960Khz bandwidth" at http://www.hiqsdr.org/ correct? My calculation gives a maximum of 384 kHz. I suppose the unit is wrong.

* The VNA functionality needs much more explanation. I suppose it's useful for higher frequencies much above 20 MHz.

* For the Transmission frame format there is no information about the samplerate. Is it only possible to transmit at 48 kHz? How much buffering is done in the FPGA? What is the behaviour if packets are not delivered "in time"?
May i deliver an IQ signal up to 192 or 384 kHz samplerate (=bandwidth for quadrature signals) for transmission?

* Is a DC frequency correctly modulated and transmitted? So it's possible to generate AM/FM and CW signals directly at complex base band?

thanks in advance,
and a Merry Christmas

kind regards,
Heyo

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> i have put a pdf to the files section with which i started to document the control and the frame format of the HiQSDR frontend.
> It is still far away from beeing complete and there are some questions but i think it is worth that someone with software experience looks to that and asks which information is missing.
> I also started to do some test-implementation within Octave (Matlab clone) but only a few first steps are done there.
> Hopefully in the end we have a description and a example implementation to show how to use the frontend.

>
> regards
> Mario
>

398. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-25 14:25:43 UTC
From: Sid Boyce
Topic: 392 Message: 398

I have used 960K especially on 10m to see almost the complete band
activity so it works with no problems I could see.

I think the TX samplerate question is answered in either the QEX article
or on http://james.ahlstrom.name/transceiver/. It's 48K.
73 ... Sid.

On 25/12/11 13:00, heyo_74 wrote:
>
>
> Hi Mario and all others,
>
> i'm quite new to this group. And it looks it's a very good timing. I
> joined to get some more information on how to control this transceiver
> - which i found here.
>
> Your spec looks good. But there are still some questions:
>
> * The control word has independent RXPhase and TXPhase. Are them
> useful independently? At the same time? Is full-duplex communication
> with different frequencies possible?
>
> * Is TxLvl linear? What output power is achieved?
>
> * Is Decimation = 1 usable - as it's not even? I'm interested in the
> highest possible bandwidth and there's no need to play to soundcard.
> Is the information "960Khz bandwidth" at http://www.hiqsdr.org/
> correct? My calculation gives a maximum of 384 kHz. I suppose the unit
> is wrong.
>
> * The VNA functionality needs much more explanation. I suppose it's
> useful for higher frequencies much above 20 MHz.
>
> * For the Transmission frame format there is no information about the
> samplerate. Is it only possible to transmit at 48 kHz? How much
> buffering is done in the FPGA? What is the behaviour if packets are
> not delivered "in time"?
> May i deliver an IQ signal up to 192 or 384 kHz samplerate (=bandwidth
> for quadrature signals) for transmission?
>
> * Is a DC frequency correctly modulated and transmitted? So it's
> possible to generate AM/FM and CW signals directly at complex base band?
>
> thanks in advance,
> and a Merry Christmas

>
> kind regards,
> Heyo
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Mario" <dh5ym@...> wrote:
> >
> > Hi,
> >
> > i have put a pdf to the files section with which i started to
> document the control and the frame format of the HiQSDR frontend.
> > It is still far away from beeing complete and there are some
> questions but i think it is worth that someone with software
> experience looks to that and asks which information is missing.
> > I also started to do some test-implementation within Octave (Matlab
> clone) but only a few first steps are done there.
> > Hopefully in the end we have a description and a example
> implementation to show how to use the frontend.
> >
> > regards
> > Mario
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

399. Re: Control of HiQSDR/N2ADR various questions

Yahoo group: n2adr-sdr
Date: 2011-12-26 11:24:04 UTC
From: Guenter DL7LA
Topic: 392 Message: 399

dear all,

when in 'split' mode it is possible to transmit on the 'red' cursor while listening in FDX mode on the 'green' cursor. That works for me, just tried it in USB. Most probably the cursors must be in one window, you cannot listen e.g. on 80 and transmit on 20.

Please correct me in my following statements:

--- In n2adr-sdr@yahoogroups.com, "heyo_74" <heyo_74@...> wrote:
>
>
> Hi Mario and all others,
>
> i'm quite new to this group. And it looks it's a very good timing. I joined to get some more information on how to control this transceiver - which i found here.
>
> Your spec looks good. But there are still some questions:
>
> * The control word has independent RXPhase and TXPhase. Are them useful independently? At the same time? Is full-duplex communication with different frequencies possible?

see above

>
> * Is TxLvl linear? What output power is achieved?

highly linear, internal IMD in two-tone-mode I measured >75 dBc on the DAC direct output of my homebrew board.
.
From Helmut's board I get around +17 dBm in CW.

>
> * Is Decimation = 1 usable - as it's not even? I'm interested in the highest possible bandwidth and there's no need to play to soundcard.

no, see Jim's remarks on the N2ADR website

> Is the information "960Khz bandwidth" at http://www.hiqsdr.org/ correct? My calculation gives a maximum of 384 kHz. I suppose the unit is wrong.

...well, 960 kSps works fine here ever since...

>
> * The VNA functionality needs much more explanation. I suppose it's useful for higher frequencies much above 20 MHz.

-can't comment on that right now

>
> * For the Transmission frame format there is no information about the samplerate. Is it only possible to transmit at 48 kHz? How much buffering is done in the FPGA? What is the behaviour if packets are not delivered "in time"?
> May i deliver an IQ signal up to 192 or 384 kHz samplerate (=bandwidth for quadrature signals) for transmission?
>

you'll probably will have to decimate that before or change the software. The rates are essentially given by integer divisions of the main clock frequency.

> * Is a DC frequency correctly modulated and transmitted? So it's >possible to generate AM/FM and CW signals directly at complex base > band?

The output from the fast DAC is such that it produces a HF complex signal. Imagine it for the sake of simplicity as a DDS frequency where the carrier is phase and amplitude modulated at the same time so that its spectral components sum up to a SSB signal. If one wanted I and Q analog streams to modulate a RF carrier one would have to employ a 'sort of' a soundcard architecture concept, That would mean two D/A-Cs in the output chain.

>
> thanks in advance,
> and a Merry Christmas
>
> kind regards,
> Heyo

HTH
Guenter DL7LA

>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi,
> >
> > i have put a pdf to the files section with which i started to document the control and the frame format of the HiQSDR frontend.
> > It is still far away from beeing complete and there are some questions but i think it is worth that someone with software experience looks to that and asks which information is missing.
> > I also started to do some test-implementation within Octave (Matlab clone) but only a few first steps are done there.
> > Hopefully in the end we have a description and a example implementation to show how to use the frontend.
> >
> > regards
> > Mario
> >
>

400. hiqscope by Stefan, DL2STG

Yahoo group: n2adr-sdr
Date: 2011-12-26 12:05:32 UTC
From: Guenter DL7LA
Topic: 400 Message: 400

Dear all,

I would like to draw your attention to a very useful bit of programming done by Stefan,DL2STG called hiqscope. It offers a spectrum analysis for the complete range of the board, i.e. from nearly zero to 62 MHz, or in parts thereof. The nice thing is that his software runs in parallel to Jim's program (or standalone of course). You will get also time analysis and a long term waterfall (sample intervals from 10 ms to 1 hr). See Stefans website at http://dl2stg.de/stefan/hiqsdr/ The FPGA code has to be modified, since some more RAM space has to be created to buffer data. The C sources and makefile are available under/hiqscope, the other changes in /FPGA. I changed both my homebrew and Helmut's board without any problems.

HTH
Guenter DL7LA

401. Re: [n2adr-sdr] hiqscope by Stefan, DL2STG

Yahoo group: n2adr-sdr
Date: 2011-12-26 16:43:50 UTC
From: Sid Boyce
Topic: 400 Message: 401

Got this error using firefox but it's OK in google chrome.
http://dl2stg.de/stefan/hiqsdr/

Object not found!

The requested URL was not found on this server. If you entered the URL manually please check your spelling and try again.
73 ... Sid.

On 26/12/11 12:05, Guenter DL7LA wrote:
>
> Dear all,
>
> I would like to draw your attention to a very useful bit of
> programming done by Stefan,DL2STG called hiqscope. It offers a
> spectrum analysis for the complete range of the board, i.e. from
> nearly zero to 62 MHz, or in parts thereof. The nice thing is that his
> software runs in parallel to Jim's program (or standalone of course).
> You will get also time analysis and a long term waterfall (sample
> intervals from 10 ms to 1 hr). See Stefans website at
> http://dl2stg.de/stefan/hiqsdr/ The FPGA code has to be modified,
> since some more RAM space has to be created to buffer data. The C
> sources and makefile are available under/hiqscope, the other changes
> in /FPGA. I changed both my homebrew and Helmut's board without any
> problems.
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> HTH
> Guenter DL7LA
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>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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402. Re: hiqscope by Stefan, DL2STG

Yahoo group: n2adr-sdr
Date: 2011-12-26 18:26:22 UTC
From: Mario
Topic: 400 Message: 402

Hi Guenter,

thanks for putting the spot on this... Great work !
Probably Stefan can give some comments on the changes that are done to the FPGA and to the way to use this functions.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Dear all,
>
> I would like to draw your attention to a very useful bit of programming done by Stefan,DL2STG called hiqscope. It offers a spectrum analysis for the complete range of the board, i.e. from nearly zero to 62 MHz, or in parts thereof. The nice thing is that his software runs in parallel to Jim's program (or standalone of course). You will get also time analysis and a long term waterfall (sample intervals from 10 ms to 1 hr). See Stefans website at http://dl2stg.de/stefan/hiqsdr/ The FPGA code has to be modified, since some more RAM space has to be created to buffer data. The C sources and makefile are available under/hiqscope, the other changes in /FPGA. I changed both my homebrew and Helmut's board without any problems.
>
> HTH
> Guenter DL7LA
>

403. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-26 18:39:50 UTC
From: Mario
Topic: 392 Message: 403

Hi,

Rx and Tx frequency can be set independently and the frontend can be used in full duplex mode.
About TxLevel i have to check. The achieved output power depends on the output stage after the DA converter. The HiQSDR PCB from Helmut gives around 50mW output.
The highest achievable bandwith is 960kHz. Setting the decimation to 1 did not work when i tested it. I got too much frame losses because the 100MBit/s of the ethernet seem to be exceeded.
I was also not successfull to change the FPGA code for uneven rates. If more bandwidth is needed reducing the resolution (bigger changes in the FPGA) would be necessary i think.
Regarding the VNA functionality Jim asked me to remove this because it is not implemented yet and might be suspect to change.
TX format is 48kspl/s little endian, IQ.
Information from Jim that i will add:
" The function quisk_process_microphone() takes microphone
samples, filters them and creates a 16-bit I/Q modulated signal to send to the hardware. The function
transmit_udp() simply saves these until a whole block is available, and sends them to the UDP
socket. The data rate is fixed at 48000 samples per second."
As far as i have seen so far the AM signals look ok (carrier looks as expected). But i did not take a really close look to that so far. I have to test this with some test pattern and have a look with a measurement receiver. But i need to postpone that to january.
CW signals are generated in a different way. This is done in the frontend directly and you use the Key input for that. You may also generate CW in phone-mode by sending proper samples from the PC but this is currently not supported by Quisk.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "heyo_74" <heyo_74@...> wrote:
>
>
> Hi Mario and all others,
>
> i'm quite new to this group. And it looks it's a very good timing. I joined to get some more information on how to control this transceiver - which i found here.
>
> Your spec looks good. But there are still some questions:
>
> * The control word has independent RXPhase and TXPhase. Are them useful independently? At the same time? Is full-duplex communication with different frequencies possible?
>
> * Is TxLvl linear? What output power is achieved?
>

> * Is Decimation = 1 usable - as it's not even? I'm interested in the highest possible bandwidth and there's no need to play to soundcard.
> Is the information "960Khz bandwidth" at http://www.hiqsdr.org/ correct? My calculation gives a maximum of 384 kHz. I suppose the unit is wrong.
>
> * The VNA functionality needs much more explanation. I suppose it's useful for higher frequencies much above 20 MHz.
>
> * For the Transmission frame format there is no information about the samplerate. Is it only possible to transmit at 48 kHz? How much buffering is done in the FPGA? What is the behaviour if packets are not delivered "in time"?
> May i deliver an IQ signal up to 192 or 384 kHz samplerate (=bandwidth for quadrature signals) for transmission?
>
> * Is a DC frequency correctly modulated and transmitted? So it's possible to generate AM/FM and CW signals directly at complex base band?
>
> thanks in advance,
> and a Merry Christmas
>
> kind regards,
> Heyo
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi,
> >
> > i have put a pdf to the files section with which i started to document the control and the frame format of the HiQSDR frontend.
> > It is still far away from beeing complete and there are some questions but i think it is worth that someone with software experience looks to that and asks which information is missing.
> > I also started to do some test-implementation within Octave (Matlab clone) but only a few first steps are done there.
> > Hopefully in the end we have a description and a example implementation to show how to use the frontend.
> >
> > regards
> > Mario
> >
>

404. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-26 20:02:44 UTC
From: heyo_74
Topic: 392 Message: 404

Hi,

thanks for your answers.

For the max. receive bandwidth it's my fault. The spec is absolutely correct. I was unable to read one of the 'zero's for the samplerate. At first glance it looked like the soundcard samplerate 192 kHz, but it is 1.920 kHz.

The fixed 48 kHz transmit rate is important to know. I hoped that more would be possible to use HiQSDR as an arbitrary wide-band wave generator :-(

thanks again,
Heyo

405. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-27 11:29:02 UTC
From: Mario
Topic: 392 Message: 405

Hi Heyo,

no problem. I also had some calculation "problems" in the beginning ;)
Regarding the 48kspl/s for TX i understand that this might be a bit too slow for some applications but the design was done for CW and SSB and not for wideband digital modes. But anyway the FPGA design is open source and you may be able to change it to 192kspl/s which might be enougth for DRM+ or other stuff. Only problem could be memory and other resources of the FPGA.
Another problem i would point you to is the fixed IP address and the fixed MAC that can currently just be changed by modification of the FPGA Verilog code and rebuild of the FPGA image.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "heyo_74" <heyo_74@...> wrote:
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>
>
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> Hi,
>
> thanks for your answers.
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>
> The fixed 48 kHz transmit rate is important to know. I hoped that more would be possible to use HiQSDR as an arbitrary wide-band wave generator :-(
>
> thanks again,
> Heyo
>

406. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-27 14:03:55 UTC
From: Sid Boyce
Topic: 392 Message: 406

Coming with zero knowledge of Verilog I was pleasantly surprised the source was very easy to read and understand.
I was a little disappointed with the fixed IP address when I got mine but after looking at the code I saw how easy it was to change it.
73 ... Sid.

On 27/12/11 11:29, Mario wrote:
>
> Hi Heyo,
>
> no problem. I also had some calculation "problems" in the beginning ;)
> Regarding the 48kspl/s for TX i understand that this might be a bit
> too slow for some applications but the design was done for CW and SSB
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> fixed MAC that can currently just be changed by modification of the
> FPGA Verilog code and rebuild of the FPGA image.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "heyo_74" <heyo_74@...> wrote:
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> more would be possible to use HiQSDR as an arbitrary wide-band wave
> generator :-(
> >
> > thanks again,
> > Heyo

> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

407. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-27 15:39:50 UTC
From: andrea montefusco
Topic: 392 Message: 407

On Fri, Dec 16, 2011 at 10:02 AM, Mario <dh5ym@...> wrote:
> i have put a pdf to the files section with which i started to document the control and the frame format of the HiQSDR frontend.
> It is still far away from beeing complete and there are some questions but i think it is worth that someone with software experience looks to that and asks which information is missing.

Hi Mario,

only today (thanks to Winter vacation) I managed to read your
interesting document.
It seems quite feasible to write a server process in order to
integrate the HiQSDR Transceiver into gHPSDR3 software and/or an
especially crafted version of DSP server for that purpose.
Maybe Sid, that is involved in gHPSDR project and has an HiQSDR
Transceiver, could be interested.

Ciao

am

--
Andrea Montefusco IW0HDV

408. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-27 22:52:46 UTC
From: Sid Boyce
Topic: 392 Message: 408

On 27/12/11 15:39, andrea montefusco wrote:
>
> On Fri, Dec 16, 2011 at 10:02 AM, Mario <dh5ym@...
> <mailto:dh5ym%40yahoo.co.uk>> wrote:
> > i have put a pdf to the files section with which i started to
> document the control and the frame format of the HiQSDR frontend.
> > It is still far away from beeing complete and there are some
> questions but i think it is worth that someone with software
> experience looks to that and asks which information is missing.
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> Hi Mario,
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> interesting document.
> It seems quite feasible to write a server process in order to
> integrate the HiQSDR Transceiver into gHPSDR3 software and/or an
> especially crafted version of DSP server for that purpose.
> Maybe Sid, that is involved in gHPSDR project and has an HiQSDR
> Transceiver, could be interested.
>
> Ciao
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
>
I'd be interested in any efforts.
I've tried building qsdr on Ubuntu 11.10 and openSUSE but the code needs updating for current distributions.

I tried Linrad via network but that didn't work but I'm thinking of gleaning bits from quisk to see how it communicates and how to convert it from python to C/C++ with help.

HiQSDR running ghpsdr3 would be a big plus, especially in terms of CPU requirements as quisk on an embedded platform like the Beagleboard XM isn't feasible.
73 ... Sid.

>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach

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409. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-28 00:10:31 UTC
From: Andrea Montefusco
Topic: 392 Message: 409

On 12/27/2011 11:52 PM, Sid Boyce wrote:
> HiQSDR running ghpsdr3 would be a big plus, especially in terms of CPU requirements as quisk on an
> embedded platform like the Beagleboard XM isn't feasible.

Sid,
At the moment I have no budget for purchase an HiQSDR :-)
And, frankly speaking, I have plenty of SDRs here around, I have to sell something first.
Could you setup an host environment in order to develop a server process ?
In such case, I could try to do some remote development, using my QtRadio as GUI of your HiQSDR from
here. Let me know if you think this is a viable solution.

73 *am*

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

410. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-28 10:59:33 UTC
From: Sid Boyce
Topic: 392 Message: 410

Andrea, I have set up a user for you on a 11.10 Kubuntu box. I need to have a look at my firewall box to see how to set up remote access to it for you via vnc or other method.
73 ... Sid.

On 28/12/11 00:10, Andrea Montefusco wrote:
>
> On 12/27/2011 11:52 PM, Sid Boyce wrote:
> > HiQSDR running ghpsdr3 would be a big plus, especially in terms of
> CPU requirements as quisk on an
> > embedded platform like the Beagleboard XM isn't feasible.
>
> Sid,
> At the moment I have no budget for purchase an HiQSDR :-)
> And, frankly speaking, I have plenty of SDRs here around, I have to
> sell something first.
> Could you setup an host environment in order to develop a server process ?
> In such case, I could try to do some remote development, using my
> QtRadio as GUI of your HiQSDR from
> here. Let me know if you think this is a viable solution.
>
> 73 *am*
>
> ---
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ---
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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411. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-28 13:26:04 UTC
From: Marciniak, Ed
Topic: 392 Message: 411

What are the prospects of adding a cypress fx processor? (Or using an ethernet chip that has a processor that can do more than load buffers)

It might drastically simplify things for a cpu to handle a full tcp/ip stack, dhcp, bonjour, etc. Bonus is that it could also be used to write a serial config rom from its usb port.

From: Sid Boyce [mailto:g3vbv@blueyonder.co.uk]
Sent: Tuesday, December 27, 2011 08:03 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Coming with zero knowledge of Verilog I was pleasantly surprised the source was very easy to read and understand.
I was a little disappointed with the fixed IP address when I got mine but after looking at the code I saw how easy it was to change it.
73 ... Sid.

On 27/12/11 11:29, Mario wrote:

Hi Heyo,

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Regarding the 48kspl/s for TX i understand that this might be a bit too slow for some applications but the design was done for CW and SSB and not for wideband digital modes. But anyway the FPGA design is open source and you may be able to change it to 192kspl/s which might be enougth for DRM+ or other stuff. Only problem could be memory and other resources of the FPGA.
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regards
Mario

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soundcard samplerate 192 kHz, but it is 1.920 kHz.
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412. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-28 15:26:55 UTC
From: Mario
Topic: 392 Message: 412

Hi Ed,

in general using a more intelligent solution for ethernet could be good. But i have no experience with that. Are there controllers that could do Gigabit Ethernet ? It could probably give some free space in the FPGA as well. But in the moment this is not too much in the focus i think. Helmut works on the Preselector currently and there is not too much other activity visible.
In the past there was a activity porting Jims original design to Kicad. I do not know whats the status there. Could be a starting point for some variants of the design.
Just need someone who has the time and the capability to do it ;)

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Marciniak, Ed" <elmarciniak@...> wrote:
>
> What are the prospects of adding a cypress fx processor? (Or using an ethernet chip that has a processor that can do more than load buffers)
>
> It might drastically simplify things for a cpu to handle a full tcp/ip stack, dhcp, bonjour, etc. Bonus is that it could also be used to write a serial config rom from its usb port.
>
>
> From: Sid Boyce [mailto:g3vbv@...]
> Sent: Tuesday, December 27, 2011 08:03 AM
> To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
> Subject: Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR
>
>
>
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> Mario
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413. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2011-12-28 15:29:16 UTC
From: Sid Boyce
Topic: 392 Message: 413

The only problem with speed via the 100MBps ethernet is really with
quisk which is written mainly in python and a Beagleboard XM I tried
does not have the capacity to run it, resulting a spurts of audio to the
point where any word is unintelligible.
Using a AMD XP3000+ laptop with IP Forwarding to another box on the LAN
and then to the LAN that the HiQSDR is connected to, no problem.
73 ... Sid.

On 28/12/11 13:26, Marciniak, Ed wrote:
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> What are the prospects of adding a cypress fx processor? (Or using an
> ethernet chip that has a processor that can do more than load buffers)
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> It might drastically simplify things for a cpu to handle a full tcp/ip
> stack, dhcp, bonjour, etc. Bonus is that it could also be used to
> write a serial config rom from its usb port.
>
>
> *From*: Sid Boyce [mailto:g3vbv@...]
> *Sent*: Tuesday, December 27, 2011 08:03 AM
> *To*: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
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>> regards

>> Mario
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>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, "heyo_74" <heyo_74@...> wrote:
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414. HiQSDR Preselector / Driver

Yahoo group: n2adr-sdr
Date: 2011-12-28 16:03:44 UTC
From: Helmut Goebkes
Topic: 414 Message: 414

Hi Group,

i put the circuit diagram @ file area, in the directory structure DB1CC HiQSDR.

It takes a lot of time and many changed decisions of how to do preselection, driving, switching, but i think now we have a really good circuit. Anyway, please have a look to it an make your sugesstions, your pros & cons are really welcome!

Why takes it so long? - just a simple answer - i had a lot of work, private & QRL and i tried to make the Preselector / Driver as good as possible, so let me explain whats in the circuit and why:

Goal 1: development of a preselector / Driver board for HiQSDR
Goal 2: HiQSDR is not a cheap, quick & dirty project, so make
no compromise in technical specs ..

* Modular contruction allows simple change of filter modules
as well as simple and independant build, check / adjustment of
filters.

* currently, all filters are calculated & tested but the Modules
itself can hold nearly all possible filter contructs...
(also active ones)

* each amateur radio band gets a distinct, separate filter to
be selective as possible.

* Filters are designed to be "contest proof", so the band modules
are contructed to dampen the neighbor / harmonic bands

* Modular filters allow also future change in filter behaviour /
function modules, the module connector holds also switching signals
to route the signal and/or allows converters to set into the module
places.

* to be selective as possible, the filters are designed to be
symmetrical and can be used for RX as well as a prefilter
for TX/driver

* Preselector board hold all switching logic necessary for
RX/TX-switching inclusive PA power cycling. Swithing signals are
are available externally

* Optional, a 1 Watt broadband driver module can be plugged in, so
in combination with the antenna switching logic the
HiQSDR & Preselector/driver board results in a complete QRP
DDC/DUC Transceiver.

* To allow the use of all features of the HiQSDR, provisions are made
to use the full duplex mode as well (but unfortunally without
driver ;-))

* The module places are allows active converters
like LF/VLF Bandfilters / Converters or VHF Converters.

* solder jumpers @ modules allows selection of
driver / antenna routing or separate RX/TX connectors
selectively for each module.

* also via a solder jummper, the module can switch 12V
via a bias tee into the RX path to supply active
antennas. This power supply is current limited & protected.

* The optional driver module holds a broadband 1W-Driver, specially
designed to give a "good-as-possible" OIP3. This is the reason why
the decision is made to design it as push-pull structure.
with the curcuit given, -45dB OPI3 is possible to be a perfect driver
for biggers guns...

* Preselector is designed like the HiQSDR as 4-layer PCB to get best
possible rejection of unwanted signals and to allow a clean RF wireing
@ the PCB

* each module is separately shielded to his neighbor module @ PCB

* Active DC current injection is made into the RF path to prevent
the relays from the "fritter" effect (to be high resitive for small
signals)

Note: I designed the most of swithing with AXIOM HF3 RF-Relays.
The first development was made with HITTITE HMC284 for all switching purposes, but the
breadboard model shows that the many switches
tends to have too much loss (>3db in the signal path)
and diminish the IIP3.

Also the active switches introduces noise into the signal path, so
we decide to use the best solution: The HF3 from AXIOM, a
super but affordable RF relay. With an isolation of >85dB and insertion loss of less than
0.05dB this is the best solution. In production quantities the HF3 cost is around 2.5 US$

Ok, folks, thats all for the moment,
PCB artwork is nearly done, but is you see a big mistake or have sugesstions, please feel
free to comment the above!

73 and a good and lucky new year 2012 for all of you!

Helmut, DB1CC

415. Re: [n2adr-sdr] HiQSDR Preselector / Driver

Yahoo group: n2adr-sdr
Date: 2011-12-28 20:22:09 UTC
From: Sid Boyce
Topic: 414 Message: 415

Nice work Helmut,
Very impressive and all to the high standards of the HiQSDR.
That is a heck of a lot of work done by you to produce so comprehensive
a solution in the amount of time it took from ideas to product, even if
it had been a full-time job.

A Happy and Prosperous New Year!
73 ... Sid.

On 28/12/11 16:03, Helmut Goebkes wrote:
>
> Hi Group,
>
> i put the circuit diagram @ file area, in the directory structure
> DB1CC HiQSDR.
>
> It takes a lot of time and many changed decisions of how to do
> preselection, driving, switching, but i think now we have a really
> good circuit. Anyway, please have a look to it an make your
> sugesstions, your pros & cons are really welcome!
>
> Why takes it so long? - just a simple answer - i had a lot of work,
> private & QRL and i tried to make the Preselector / Driver as good as
> possible, so let me explain whats in the circuit and why:
>
> Goal 1: development of a preselector / Driver board for HiQSDR
> Goal 2: HiQSDR is not a cheap, quick & dirty project, so make
> no compromise in technical specs ..
>
> * Modular contruction allows simple change of filter modules
> as well as simple and independant build, check / adjustment of
> filters.
>
> * currently, all filters are calculated & tested but the Modules
> itself can hold nearly all possible filter contructs...
> (also active ones)
>
> * each amateur radio band gets a distinct, separate filter to
> be selective as possible.
>
> * Filters are designed to be "contest proof", so the band modules
> are contructed to dampen the neighbor / harmonic bands
>
> * Modular filters allow also future change in filter behaviour /
> function modules, the module connector holds also switching signals

> to route the signal and/or allows converters to set into the module
> places.
>
> * to be selective as possible, the filters are designed to be
> symmetrical and can be used for RX as well as a prefilter
> for TX/driver
>
> * Preselector board hold all switching logic necessary for
> RX/TX-switching inclusive PA power cycling. Swithing signals are
> are available externally
>
> * Optional, a 1 Watt broadband driver module can be plugged in, so
> in combination with the antenna switching logic the
> HiQSDR & Preselector/driver board results in a complete QRP
> DDC/DUC Transceiver.
>
> * To allow the use of all features of the HiQSDR, provisions are made
> to use the full duplex mode as well (but unfortunally without
> driver ;-))
>
> * The module places are allows active converters
> like LF/VLF Bandfilters / Converters or VHF Converters.
>
> * solder jumpers @ modules allows selection of
> driver / antenna routing or separate RX/TX connectors
> selectively for each module.
>
> * also via a solder jummper, the module can switch 12V
> via a bias tee into the RX path to supply active
> antennas. This power supply is current limited & protected.
>
> * The optional driver module holds a broadband 1W-Driver, specially
> designed to give a "good-as-possible" OIP3. This is the reason why
> the decision is made to design it as push-pull structure.
> with the curcuit given, -45dB OPI3 is possible to be a perfect driver
> for biggers guns...
>
> * Preselector is designed like the HiQSDR as 4-layer PCB to get best
> possible rejection of unwanted signals and to allow a clean RF wireing
> @ the PCB
>
> * each module is separately shielded to his neighbor module @ PCB
>
> * Active DC current injection is made into the RF path to prevent
> the relays from the "fritter" effect (to be high resitive for small
> signals)
>
> Note: I designed the most of swithing with AXIOM HF3 RF-Relays.
> The first development was made with HITTITE HMC284 for all switching
> purposes, but the breadboard model shows that the many switches

> tends to have too much loss (>3db in the signal path)
> and diminish the IIP3.
>
> Also the active switches introduces noise into the signal path, so
> we decide to use the best solution: The HF3 from AXIOM, a
> super but affordable RF relay. With an isolation of >85dB and
> insertion loss of less than 0.05dB this is the best solution. In
> production quantities the HF3 cost is around 2.5 US$
>
> Ok, folks, thats all for the moment,
> PCB artwork is nearly done, but is you see a big mistake or have
> sugesstions, please feel free to comment the above!
>
> 73 and a good and lucky new year 2012 for all of you!
>
> Helmut, DB1CC
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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416. Preselector other observations.

Yahoo group: n2adr-sdr
Date: 2011-12-29 14:08:03 UTC
From: cybinlabs
Topic: 416 Message: 416

Thanks Helmut for your latest effort. Its always nice to read schematics with the opportunity to learn something new. I hope your getting enough sleep! I'm sure everyone is looking forward to adding the preselector to their shack as soon as it becomes available.

Several questions.

What program was used to plot/calculate the filter parameters? Looks like something I might like to use.

The output driver looks like it is intended for CW as it appears to run without any matching or feedback. Is this correct?

Any possibility of breaking the schematics up into multiple pages? It would sure make them easier to read.

The RF2420 is becoming somewhat of a rare part. Why RFMD stopped making it is incomprehensible. To bad really, I really like that part! Since you've obviously cherry picked the best of the best for the HiQSDR, what would be your second best alternative to the RF2420?

73

Chuck Glasser

417. 1M9_sin_overtones

Yahoo group: n2adr-sdr
Date: 2011-12-29 18:14:15 UTC
From: heyo_74
Topic: 417 Message: 417

Hello,

i had a deeper look into the tx measurements in the files section and got really surprised about imd results and especially the file 1M9_sin_overtones.png below DH5YM's folder / 7IY PCB.

i would not expect any overtones in an FPGA design at least up to half the samplerate of the DA converter. any explanation?

regards,
heyo

418. Re: 1M9_sin_overtones

Yahoo group: n2adr-sdr
Date: 2011-12-29 21:05:51 UTC
From: Mario
Topic: 417 Message: 418

Hi Heyo,

i never optimized the drive of the MMIC i use with my PCB.
Most probably the poor harmonic behavior is caused by the amplifier.
I will do the my measurements again with the PCB from Helmut.
It should be much better there.
In the latest version of Quisk Jim improved some TX filtering. So probably also the intermodulation data changes.
I did not do much experiments with the transmitter path so far.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "heyo_74" <heyo_74@...> wrote:
>
>
> Hello,
>
> i had a deeper look into the tx measurements in the files section and got really surprised about imd results and especially the file 1M9_sin_overtones.png below DH5YM's folder / 7IY PCB.
>
> i would not expect any overtones in an FPGA design at least up to half the samplerate of the DA converter. any explanation?
>
> regards,
> heyo
>

419. QEX Article

Yahoo group: n2adr-sdr
Date: 2011-12-30 14:37:23 UTC
From: Chris Stake
Topic: 419 Message: 419

Hi,

Would someone provide a link to the original Jan 2011 QEX transceiver article or forward a copy please?

Regards

Chris Stake

420. Re: [n2adr-sdr] QEX Article

Yahoo group: n2adr-sdr
Date: 2011-12-30 14:56:54 UTC
From: Sid Boyce
Topic: 419 Message: 420

The link is on http://james.ahlstrom.name/transceiver/
73 ... Sid.

On 30/12/11 14:37, Chris Stake wrote:
>
> Hi,
>
> Would someone provide a link to the original Jan 2011 QEX transceiver
> article or forward a copy please?
>
> Regards
>
> Chris Stake
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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421. Re: [n2adr-sdr] QEX Article

Yahoo group: n2adr-sdr
Date: 2011-12-30 15:19:05 UTC
From: Sid Boyce
Topic: 419 Message: 421

The new ARRL site looks nicer but looks deceive, it's an abomination.

*

Jan 2011 - /QEX/ (Pg. 3)

An All-Digital Transceiver for HF

Author: Ahlstrom, James, N2ADR
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/and/ an archive of downloadable material. However, *not everything in
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The item you requested is not in the archive of downloadable
information. This may be because:

* Most /QST/ material newer than 2007 is *not* available for download
* /QEX/, /NCJ/ and /Ham Radio/ material is *not* available for download

73 ... Sid.

On 30/12/11 14:56, Sid Boyce wrote:
>
> The link is on http://james.ahlstrom.name/transceiver/
> 73 ... Sid.
>
> On 30/12/11 14:37, Chris Stake wrote:
>
>> Hi,
>>
>> Would someone provide a link to the original Jan 2011 QEX transceiver
>> article or forward a copy please?
>>
>> Regards
>>
>> Chris Stake
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>

--
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422. Re: [n2adr-sdr] Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-01-02 12:05:37 UTC
From: Andrea Montefusco
Topic: 392 Message: 422

On 12/28/2011 11:59 AM, Sid Boyce wrote:
> Andrea, I have set up a user for you on a 11.10 Kubuntu box. I need to have a look at my firewall
> box to see how to set up remote access to it for you via vnc or other method.

Hi Sid ,
sorry for the late answer but I was back to home only yesterday evening.
Just for start, an SSH access could be enough.

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

423. Re: [n2adr-sdr] Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-01-02 12:25:21 UTC
From: Kaj Wiik
Topic: 392 Message: 423

Hi!

2011/12/28 Mario <dh5ym@...>

> In the past there was a activity porting Jims original design to Kicad. I do not know whats the status there. Could be a starting point for some variants of the design.
See my files area:
http://groups.yahoo.com/group/n2adr-sdr/files/OH6EH/

As for using a separate controller, that's what Jim tried in the first
version (exciter) and discarded it. I find the current implementation
very simple and therefore elegant. 1 Gbit/s interface would be nice
but they tend to be all designed for PCI...

Cheers,
Kaj OH6EH

424. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-01-02 18:14:44 UTC
From: heyo_74
Topic: 392 Message: 424

Maybe there will be anyone writing an ExtIO DLL for Winrad/HDSDR?
I may consider .. but actually: not enough free time!

regards,
heyo

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> The only problem with speed via the 100MBps ethernet is really with
> quisk which is written mainly in python and a Beagleboard XM I tried
> does not have the capacity to run it, resulting a spurts of audio to the
> point where any word is unintelligible.
> Using a AMD XP3000+ laptop with IP Forwarding to another box on the LAN
> and then to the LAN that the HiQSDR is connected to, no problem.
> 73 ... Sid.

425. RE: [n2adr-sdr] QEX Article

Yahoo group: n2adr-sdr
Date: 2012-01-03 13:18:35 UTC
From: Chris Stake
Topic: 419 Message: 425

Hello Guys,

I have read the original article and I can follow most of it but there's something I don't understand about down-conversion.

I had assumed that by sampling the RF input at above the Nyquist frequency of the HF bands it would be possible to dispense with the external band pass filters that are necessary to prevent aliasing in analogue mixer designs and that low-pass or band-pass filtering would be an integral part of the down-conversion and decimation performed in the FPGA.

I note that the pre-selector design seems to include band-pass filters and so I deduce that this function is not performed by the FPGA, perhaps it is beyond the capability of this FPGA?

I would be grateful if someone could clarify this for me.

Regards

Chris Stake

From: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] On Behalf Of Sid Boyce
Sent: 30 December 2011 15:19
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] QEX Article

The new ARRL site looks nicer but looks deceive, it's an abomination.

. Jan 2011 - QEX (Pg. 3)

An All-Digital Transceiver for HF

Author: Ahlstrom, James, N2ADR
This item is not available for download by Members Why not?

The ARRL Periodicals Archive and Search is both an index of articles and an archive of downloadable material. However, not everything in the index is available for download.

The item you requested is not in the archive of downloadable information. This may be because:

* Most QST material newer than 2007 is not available for download
* QEX, NCJ and Ham Radio material is not available for download

73 ... Sid.

426. Re: Control of HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-01-04 10:28:37 UTC
From: Helmut Goebkes
Topic: 392 Message: 426

Hi Sid,

Pin 6 is the \TXACTIVE Signal and is a 3.3V CMOS compatible
Signal.
It should be LOW (<0.4V) if TX is active (PTT pressed)
and >3V if TX is not active (PTT / KEY not pressed)
You can connect a low current LED with a current
limiting resistor in series to 3.3V to have a TX-ON lamp)
If it shows the opposite sibehaviour or levels are
the chance are great the the PIN of the FPGA is defective
;-(

greetings and a happy new year!

Helmut, DB1CC

427. ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 07:43:56 UTC
From: Andrea Montefusco
Topic: 427 Message: 427

Hi all,

I just pushed into master branch the experimental code in order to support the HiQSDR transceiver.

For the sdr-widget people, the web site is

http://www.hiqsdr.org/

instead the ghpsdr3-alex site is:

http://napan.ca/ghpsdr3/

The code specific for Hiqsdr has been written by me, IW0HDV; many thanks to Sid Boyce G3VBV for the
invaluable support: he provided his radio, a powerful Linux PC and Internet connection for the
development.
Many thanks too to Mario Roessler DH5YM that wrote a precious document (found at
http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
that explains the details of the network protocol used to control
and send/receive data to/from HiQSDR hardware.

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

428. Re: [n2adr-sdr] ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 09:32:55 UTC
From: Sid Boyce
Topic: 427 Message: 428

Many thanks agian Andrea.
I've just cloned master to try later today when I get back home.

Please feel free to access any time.

Later after installing the master branch and putting it on the server
list I'll have to take it down to check out the RX/TX switching problem.
It used to work but changeover was about 3 seconds so I built a new
circuit which switches from High to ~2.3V floating level rather that to
/PTT of 0V, probably due to a mis-wire.

Glad to be of some small assistance in getting another rig added to ghpsdr3.

It's been working solidly on the LAN for almost 48 hours.

It would nice as the next move to be able to get the full 960K spectrum
working as it does in quisk, but that's not a near term goal.
73 ... Sid.

On 08/01/12 07:43, Andrea Montefusco wrote:
>
> Hi all,
>
> I just pushed into master branch the experimental code in order to
> support the HiQSDR transceiver.
>
> For the sdr-widget people, the web site is
>
> http://www.hiqsdr.org/
>
> instead the ghpsdr3-alex site is:
>
> http://napan.ca/ghpsdr3/
>
> The code specific for Hiqsdr has been written by me, IW0HDV; many
> thanks to Sid Boyce G3VBV for the
> invaluable support: he provided his radio, a powerful Linux PC and
> Internet connection for the
> development.
> Many thanks too to Mario Roessler DH5YM that wrote a precious document
> (found at
> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
> that explains the details of the network protocol used to control
> and send/receive data to/from HiQSDR hardware.
>
> *am*

>
> --
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> --
>
>

--
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429. Re: [n2adr-sdr] ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 13:41:51 UTC
From: Sid Boyce
Topic: 427 Message: 429

Trying a fresh clone of ghpsdr3-alex. Built and installed the master branch.
hiqsdr-server launched.

dspserver gets
ozy_init: connect failed: Connection refused

I see there is a configure option for Perseus but not for hiqsdr.
73 ... Sid.

On 08/01/12 07:43, Andrea Montefusco wrote:
>
> Hi all,
>
> I just pushed into master branch the experimental code in order to
> support the HiQSDR transceiver.
>
> For the sdr-widget people, the web site is
>
> http://www.hiqsdr.org/
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> (found at
> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
> that explains the details of the network protocol used to control
> and send/receive data to/from HiQSDR hardware.
>
> *am*
>
> ---
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ---
>
>

--
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430. Re: [n2adr-sdr] ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 13:54:50 UTC
From: Sid Boyce
Topic: 427 Message: 430

```
Seems it was launching hiqsdr-server in background mode.
21665 pts/0 Sl+ 0:20 | \_ dspserver --lo --share
21663 pts/1 Sl+ 0:10 | \_ hiqsdr-server -d3 -s 96000

The rig doesn't appear in the server list.
73 ... Sid.

On 08/01/12 13:41, Sid Boyce wrote:
>
> Trying a fresh clone of ghpsdr3-alex. Built and installed the master
> branch.
> hiqsdr-server launched.
>
> dspserver gets
> ozy_init: connect failed: Connection refused
>
> I see there is a configure option for Perseus but not for hiqsdr.
> 73 ... Sid.
>
>
> On 08/01/12 07:43, Andrea Montefusco wrote:
>
>> Hi all,
>>
>> I just pushed into master branch the experimental code in order to
>> support the HiQSDR transceiver.
>>
>> For the sdr-widget people, the web site is
>>
>> http://www.hiqsdr.org/
>>
>> instead the ghpsdr3-alex site is:
>>
>> http://napan.ca/ghpsdr3/
>>
>> The code specific for Hiqsdr has been written by me, IW0HDV; many
>> thanks to Sid Boyce G3VBV for the
>> invaluable support: he provided his radio, a powerful Linux PC and
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>> development.
>> Many thanks too to Mario Roessler DH5YM that wrote a precious
>> document (found at
>> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
>> that explains the details of the network protocol used to control
>> and send/receive data to/from HiQSDR hardware.
```

>>
>> *am*
>>
>> --
>> Andrea Montefusco iw0hdv http://www.montefusco.com
>> tel: +393356992791 fax: +390623318709
>> --
>>
>
>
> --
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431. Re: [n2adr-sdr] ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 15:14:31 UTC
From: Andrea Montefusco
Topic: 427 Message: 431

```
On 01/08/2012 02:54 PM, Sid Boyce wrote:
>
>
> Seems it was launching hiqsdr-server in background mode.
> 21665 pts/0 Sl+ 0:20 | \_ dspserver --lo --share
> 21663 pts/1 Sl+ 0:10 | \_ hiqsdr-server -d3 -s 96000
>
> The rig doesn't appear in the server list.

I restarted the processes from a clone I did yesterday evening after the push in GIT, and
it is working.

*am*

-----------------------------------------------------------
Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
-----------------------------------------------------------
```

432. HiQSDR Gnuradio extension

Yahoo group: n2adr-sdr
Date: 2012-01-08 18:10:02 UTC
From: stefan.goerg
Topic: 432 Message: 432

Hi,

i have now ready the GNU Radio extension for HiQSDR. You are be able to use the transceiver now directly as input or output device in GNU Radio. All files and some examples are on:

http://dl2stg.de/stefan/hiqsdr/gnuradio.html

73

Stefan, DL2STG

433. Re: [n2adr-sdr] ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-08 18:21:58 UTC
From: Sid Boyce
Topic: 427 Message: 433

Thanks Andrea, I didn't notice I had started it as root.
Restarted dhpserver as user and it's now in the server list.
73 ... Sid.

On 08/01/12 13:54, Sid Boyce wrote:
>
> Seems it was launching hiqsdr-server in background mode.
> 21665 pts/0 Sl+ 0:20 | _ dspserver --lo --share
> 21663 pts/1 Sl+ 0:10 | _ hiqsdr-server -d3 -s 96000
>
> The rig doesn't appear in the server list.
> 73 ... Sid.
>
> On 08/01/12 13:41, Sid Boyce wrote:
>
>> Trying a fresh clone of ghpsdr3-alex. Built and installed the master
>> branch.
>> hiqsdr-server launched.
>>
>> dspserver gets
>> ozy_init: connect failed: Connection refused
>>
>> I see there is a configure option for Perseus but not for hiqsdr.
>> 73 ... Sid.
>>
>>
>> On 08/01/12 07:43, Andrea Montefusco wrote:
>>
>>> Hi all,
>>>
>>> I just pushed into master branch the experimental code in order to
>>> support the HiQSDR transceiver.
>>>
>>> For the sdr-widget people, the web site is
>>>
>>> http://www.hiqsdr.org/
>>>
>>> instead the ghpsdr3-alex site is:
>>>
>>> http://napan.ca/ghpsdr3/
>>>
>>> The code specific for Hiqsdr has been written by me, IW0HDV; many
>>> thanks to Sid Boyce G3VBV for the
>>> invaluable support: he provided his radio, a powerful Linux PC and
>>> Internet connection for the

>>> development.
>>> Many thanks too to Mario Roessler DH5YM that wrote a precious
>>> document (found at
>>> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
>>> that explains the details of the network protocol used to control
>>> and send/receive data to/from HiQSDR hardware.
>>>
>>> *am*
>>>
>>> ----------
>>> Andrea Montefusco iw0hdv http://www.montefusco.com
>>> tel: +393356992791 fax: +390623318709
>>> ----------
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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--
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434. Re: [n2adr-sdr] HiQSDR Gnuradio extension

Yahoo group: n2adr-sdr
Date: 2012-01-08 19:20:23 UTC
From: Rob Frohne
Topic: 432 Message: 434

That is really great Stefan! It makes me want to get back to building
my N2ADR-SDR.

73,

Rob
KL7NA

On 01/08/2012 10:10 AM, stefan.goerg wrote:
>
> Hi,
>
> i have now ready the GNU Radio extension for HiQSDR. You are be able
> to use the transceiver now directly as input or output device in GNU
> Radio. All files and some examples are on:
>
> http://dl2stg.de/stefan/hiqsdr/gnuradio.html
>
> 73
>
> Stefan, DL2STG
>
>

435. Android client with HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-09 10:02:34 UTC
From: Sid Boyce
Topic: 435 Message: 435

I installed aHPSDR.apk on my Samsung Gaxaly S2 this morning and
connected over the internet to my HiQSDR with ghpsdr3-alex's
hiqsdr-server and dspserver running on Kubuntu 11.10.

Excellent CW and SSB reproduction. I'll be looking at how to record a
video to place on Youtube.
73 ... Sid.

--
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436. Re: Android client with HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-09 13:01:58 UTC
From: Mario
Topic: 435 Message: 436

Hi,

thanks to all who are working on integrating the frontend to various software !
@Sid: i am excited to see your video...

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I installed aHPSDR.apk on my Samsung Gaxaly S2 this morning and
> connected over the internet to my HiQSDR with ghpsdr3-alex's
> hiqsdr-server and dspserver running on Kubuntu 11.10.
>
> Excellent CW and SSB reproduction. I'll be looking at how to record a
> video to place on Youtube.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>

437. Re: [n2adr-sdr] Re: Android client with HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-09 14:42:35 UTC
From: Sid Boyce
Topic: 435 Message: 437

OK Mario,
I am still searching to see how it can be done without recording it to a PC. I thought there was an app to allow video calls to be saved to the phone which may be able to do the same.
73 ... Sid.

On 09/01/12 13:01, Mario wrote:
>
> Hi,
>
> thanks to all who are working on integrating the frontend to various
> software !
> @Sid: i am excited to see your video...
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I installed aHPSDR.apk on my Samsung Gaxaly S2 this morning and
> > connected over the internet to my HiQSDR with ghpsdr3-alex's
> > hiqsdr-server and dspserver running on Kubuntu 11.10.
> >
> > Excellent CW and SSB reproduction. I'll be looking at how to record a
> > video to place on Youtube.
> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> >
>
>

--
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438. QTRadio + HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-09 19:04:16 UTC
From: Helmut Goebkes
Topic: 438 Message: 438

Hi Group,

today i installed QTRadio running under Windows
after connecting to G3VBV running HiQSDR i can operate
the HiQSDR in GB from my home shack in southern Germany
without problems! I checked against a station received
directly with my TS-2000 the audio delay was around 500mS -
QTRadio is very impressive! - thanks to the folks who
implemented HiQSDR to this nice Software base and
thanks to all who are working active on this Project!

I think many HiQSDRs are accessible via the net soon... ;-))

73! Helmut, DB1CC

439. Re: [n2adr-sdr] QTRadio + HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-09 22:52:14 UTC
From: Sid Boyce
Topic: 438 Message: 439

Thanks for the report Helmut,
It's an amazing project that's still young and a nice fit for the HiQSDR.
Thanks also for your contribution on the hardware and looking forward
soon to the addition of the pre-selector board.
73 ... Sid.

On 09/01/12 19:04, Helmut Goebkes wrote:
>
> Hi Group,
>
> today i installed QTRadio running under Windows
> after connecting to G3VBV running HiQSDR i can operate
> the HiQSDR in GB from my home shack in southern Germany
> without problems! I checked against a station received
> directly with my TS-2000 the audio delay was around 500mS -
> QTRadio is very impressive! - thanks to the folks who
> implemented HiQSDR to this nice Software base and
> thanks to all who are working active on this Project!
>
> I think many HiQSDRs are accessible via the net soon... ;-))
>
> 73! Helmut, DB1CC
>
>

--
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440. TX LED

Yahoo group: n2adr-sdr
Date: 2012-01-10 09:26:27 UTC
From: Mario
Topic: 440 Message: 440

Hi,

i remembered that someone reported problems with the TX-LED signal.
Today i noticed that i do not see that it is controlled in the current quisk 3.5.11. At least the only thing that is different when i press TX in quisk is the software-TX bit. The bit for the LED in the byte that controls X1 is not changed.
I will try again with my piece of octave code. Probably someone can verify that independently.

regards
Mario

441. Re: [n2adr-sdr] TX LED

Yahoo group: n2adr-sdr
Date: 2012-01-10 15:21:24 UTC
From: Sid Boyce
Topic: 440 Message: 441

My RX/TX switch is using X1 pin 6 and it's not switching. I wonder if
that problem wasn't introduced in an earlier version where I didn't try TX.

When I click on PTT, X1 pin 6 floats at ~2.3V, earlier it went to 0V
with I think earlier than quisk-3.5.6.
Going back to 3.5.6 it now crashes out when PTT is pressed.
73 ... Sid.

On 10/01/12 09:26, Mario wrote:
>
> Hi,
>
> i remembered that someone reported problems with the TX-LED signal.
> Today i noticed that i do not see that it is controlled in the current
> quisk 3.5.11. At least the only thing that is different when i press
> TX in quisk is the software-TX bit. The bit for the LED in the byte
> that controls X1 is not changed.
> I will try again with my piece of octave code. Probably someone can
> verify that independently.
>
> regards
> Mario
>
>

--
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442. Re: TX LED

Yahoo group: n2adr-sdr
Date: 2012-01-10 16:00:33 UTC
From: Mario
Topic: 440 Message: 442

Hi Sid,

i tried with my Octave code to set the TX pin and there was no reaction. Other pins on X1 can be set properly. I already asked the question to Jim and probably i find some minutes to have a look to the FPGA code. Either some misunderstanding on my side or it really does not work in the FPGA code. Lets see. I will try with 3.5.6 too and compare with the current behavior.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> My RX/TX switch is using X1 pin 6 and it's not switching. I wonder if
> that problem wasn't introduced in an earlier version where I didn't try TX.
>
> When I click on PTT, X1 pin 6 floats at ~2.3V, earlier it went to 0V
> with I think earlier than quisk-3.5.6.
> Going back to 3.5.6 it now crashes out when PTT is pressed.
> 73 ... Sid.
>
> On 10/01/12 09:26, Mario wrote:
> >
> > Hi,
> >
> > i remembered that someone reported problems with the TX-LED signal.
> > Today i noticed that i do not see that it is controlled in the current
> > quisk 3.5.11. At least the only thing that is different when i press
> > TX in quisk is the software-TX bit. The bit for the LED in the byte
> > that controls X1 is not changed.
> > I will try again with my piece of octave code. Probably someone can
> > verify that independently.
> >
> > regards
> > Mario
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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> Senior Staff Specialist, Cricket Coach
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>

443. Re: [n2adr-sdr] Re: TX LED

Yahoo group: n2adr-sdr
Date: 2012-01-10 17:29:03 UTC
From: Sid Boyce
Topic: 440 Message: 443

Hi Mario,
I'm sure it worked after the antenna switching hardware mod. I checked
it would switch between Antenna 1 and Antenna 2 and also that RX/TX worked.

I was having a problem with the original RX/TX circuit taking ~3 seconds
to switch the relays on and off.

The day I built the new RX/TX switch, the original stopped working and I
built the new one with same results.
I didn't keep track of any quisk upgrades as I didn't suspect quisk at
the time.

Are you seeing a floating voltage (~2.3V) on X1 pin 6 when you press PTT?
73 ... Sid.

On 10/01/12 16:00, Mario wrote:
>
> Hi Sid,
>
> i tried with my Octave code to set the TX pin and there was no
> reaction. Other pins on X1 can be set properly. I already asked the
> question to Jim and probably i find some minutes to have a look to the
> FPGA code. Either some misunderstanding on my side or it really does
> not work in the FPGA code. Lets see. I will try with 3.5.6 too and
> compare with the current behavior.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > My RX/TX switch is using X1 pin 6 and it's not switching. I wonder if
> > that problem wasn't introduced in an earlier version where I didn't
> try TX.
> >
> > When I click on PTT, X1 pin 6 floats at ~2.3V, earlier it went to 0V
> > with I think earlier than quisk-3.5.6.
> > Going back to 3.5.6 it now crashes out when PTT is pressed.
> > 73 ... Sid.
> >
> > On 10/01/12 09:26, Mario wrote:
> > >
> > > Hi,
> > >
> > > i remembered that someone reported problems with the TX-LED signal.

> > > Today i noticed that i do not see that it is controlled in the
> current
> > > quisk 3.5.11. At least the only thing that is different when i press
> > > TX in quisk is the software-TX bit. The bit for the LED in the byte
> > > that controls X1 is not changed.
> > > I will try again with my piece of octave code. Probably someone can
> > > verify that independently.
> > >
> > > regards
> > > Mario
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
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> >
>
>

--
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444. Re: TX LED - behaviour & levels of PIN 6, Connector X1

Yahoo group: n2adr-sdr
Date: 2012-01-10 20:30:11 UTC
From: Helmut Goebkes
Topic: 440 Message: 444

HiSid, Hi Mario,

i tested X1 Pin6 TXLED (low active!) Signal, all is working correct,
also with version QUISK 3.5.11
(FPGA Firmware 1.1 with Stefans extension)

During receiption, this Pin must be >3V (3.28V in my sample),
if you switch to transmission, this pin must be <0.4V
(0.01V in my sample)
The interface connector X1, Pin6 is working correctly via Software PTT-button as well as via Hardware PTT / Key activations, even with the newest Quisk Version 3.5.11.
This switching is done immediatlely @ this pin, with no noticable delay (!)

I checked this with 3 different HiQSDR Boards, all shows equally this correct behaviour like the described above.

Maybe you stumbled over the mode dependant PTT switching:

For CW the Hardware input "KEY" switches to transmission but
all other modes (SSB,AM,FM have to use the hardware "PTT"-Input.
BUT (!) the Software-Button "PTT" on Quisk
switches ALWAYS the TX on and therefore the PIN 6 of X1 has to
switch every time to low (aka <0.4V) if you press the
"PTT"-Button in Quisk.

If your Pin6/X1 has other levels than <0.4V for TX active
and >3V for RX active, is assume that the Pin if the FPGA
is defective.
You can try to reprogram the FPGA, maybe it works then,
otherwise this I/O-Pin is gone into silicon heaven ;-(

73!
Helmut, DB1CC

445. Re: TX LED - behaviour & levels of PIN 6, Connector X1

Yahoo group: n2adr-sdr
Date: 2012-01-10 21:28:46 UTC
From: Mario
Topic: 440 Message: 445

Hi Helmut,

thanks for all the explanation.
You were perfectly right. In my Octave script i made a copy&paste of a mistake that i made within Quisk. I used CW mode ;)
In addition i understood something wrong. I thought that i can set the TX-LED pin via register access via the X1 byte. Actually it seems just controlled by the FPGA itself (indirectly by setting the software key bit in non-CW modes). I would have had seen this earlier if i had read back the replies from the frontend. But i did not ;)
The signals are working fine here now and i will update the API documentation accordingly next days.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> HiSid, Hi Mario,
>
> i tested X1 Pin6 TXLED (low active!) Signal, all is working correct,
> also with version QUISK 3.5.11
> (FPGA Firmware 1.1 with Stefans extension)
>
> During receiption, this Pin must be >3V (3.28V in my sample),
> if you switch to transmission, this pin must be <0.4V
> (0.01V in my sample)
> The interface connector X1, Pin6 is working correctly via Software PTT-button as well as via Hardware PTT / Key activations, even with the newest Quisk Version 3.5.11.
> This switching is done immediatlely @ this pin, with no noticable delay (!)
>
> I checked this with 3 different HiQSDR Boards, all shows equally this correct behaviour like the described above.
>
> Maybe you stumbled over the mode dependant PTT switching:
>
> For CW the Hardware input "KEY" switches to transmission but
> all other modes (SSB,AM,FM have to use the hardware "PTT"-Input.
> BUT (!) the Software-Button "PTT" on Quisk
> switches ALWAYS the TX on and therefore the PIN 6 of X1 has to
> switch every time to low (aka <0.4V) if you press the
> "PTT"-Button in Quisk.
>
> If your Pin6/X1 has other levels than <0.4V for TX active
> and >3V for RX active, is assume that the Pin if the FPGA
> is defective.
> You can try to reprogram the FPGA, maybe it works then,

> otherwise this I/O-Pin is gone into silicon heaven ;-(
>
> 73!
> Helmut, DB1CC
>

446. Re: [n2adr-sdr] Re: TX LED - behaviour & levels of PIN 6, Connector X1

Yahoo group: n2adr-sdr
Date: 2012-01-10 23:37:26 UTC
From: Sid Boyce
Topic: 440 Message: 446

I disconnected the RX/TX switch and I'm seeing no voltage on X1 pin 6. I checked the plug and cable for continuity.
With a thin piece of wire in the socket pin 6 only shows +0.13V on RX, also on pin 9 +3.3V is absent.
I'm using a thin length of wire that goes firmly into the socket which should be making contact as I can see the flared contact easily.

I am getting +3.3V at C20 so there is more checking to be done.
73 ... Sid.

On 10/01/12 20:30, Helmut Goebkes wrote:
>
> HiSid, Hi Mario,
>
> i tested X1 Pin6 TXLED (low active!) Signal, all is working correct,
> also with version QUISK 3.5.11
> (FPGA Firmware 1.1 with Stefans extension)
>
> During receiption, this Pin must be >3V (3.28V in my sample),
> if you switch to transmission, this pin must be <0.4V
> (0.01V in my sample)
> The interface connector X1, Pin6 is working correctly via Software
> PTT-button as well as via Hardware PTT / Key activations, even with
> the newest Quisk Version 3.5.11.
> This switching is done immediatlely @ this pin, with no noticable
> delay (!)
>
> I checked this with 3 different HiQSDR Boards, all shows equally this
> correct behaviour like the described above.
>
> Maybe you stumbled over the mode dependant PTT switching:
>
> For CW the Hardware input "KEY" switches to transmission but
> all other modes (SSB,AM,FM have to use the hardware "PTT"-Input.
> BUT (!) the Software-Button "PTT" on Quisk
> switches ALWAYS the TX on and therefore the PIN 6 of X1 has to
> switch every time to low (aka <0.4V) if you press the
> "PTT"-Button in Quisk.
>
> If your Pin6/X1 has other levels than <0.4V for TX active
> and >3V for RX active, is assume that the Pin if the FPGA
> is defective.
> You can try to reprogram the FPGA, maybe it works then,
> otherwise this I/O-Pin is gone into silicon heaven ;-(
>

> 73!
> Helmut, DB1CC
>
>

--
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447. Re: [n2adr-sdr] Re: TX LED - behaviour & levels of PIN 6, Connector X1

Yahoo group: n2adr-sdr
Date: 2012-01-10 23:54:34 UTC
From: Sid Boyce
Topic: 440 Message: 447

Seems the wire was not making contact, checking pin 9 on the cable it's
+3.3V, pin6 is still not not showing a voltage.
I'll build another cable tomorrow.
73 ... Sid.

On 10/01/12 23:37, Sid Boyce wrote:
>
> I disconnected the RX/TX switch and I'm seeing no voltage on X1 pin 6.
> I checked the plug and cable for continuity.
> With a thin piece of wire in the socket pin 6 only shows +0.13V on RX,
> also on pin 9 +3.3V is absent.
> I'm using a thin length of wire that goes firmly into the socket which
> should be making contact as I can see the flared contact easily.
>
> I am getting +3.3V at C20 so there is more checking to be done.
> 73 ... Sid.
>
> On 10/01/12 20:30, Helmut Goebkes wrote:
>
>> HiSid, Hi Mario,
>>
>> i tested X1 Pin6 TXLED (low active!) Signal, all is working correct,
>> also with version QUISK 3.5.11
>> (FPGA Firmware 1.1 with Stefans extension)
>>
>> During receiption, this Pin must be >3V (3.28V in my sample),
>> if you switch to transmission, this pin must be <0.4V
>> (0.01V in my sample)
>> The interface connector X1, Pin6 is working correctly via Software
>> PTT-button as well as via Hardware PTT / Key activations, even with
>> the newest Quisk Version 3.5.11.
>> This switching is done immediatlely @ this pin, with no noticable
>> delay (!)
>>
>> I checked this with 3 different HiQSDR Boards, all shows equally this
>> correct behaviour like the described above.
>>
>> Maybe you stumbled over the mode dependant PTT switching:
>>
>> For CW the Hardware input "KEY" switches to transmission but
>> all other modes (SSB,AM,FM have to use the hardware "PTT"-Input.
>> BUT (!) the Software-Button "PTT" on Quisk
>> switches ALWAYS the TX on and therefore the PIN 6 of X1 has to
>> switch every time to low (aka <0.4V) if you press the
>> "PTT"-Button in Quisk.

>>
>> If your Pin6/X1 has other levels than <0.4V for TX active
>> and >3V for RX active, is assume that the Pin if the FPGA
>> is defective.
>> You can try to reprogram the FPGA, maybe it works then,
>> otherwise this I/O-Pin is gone into silicon heaven ;-(
>>
>> 73!
>> Helmut, DB1CC
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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>

--
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448. API documentation

Yahoo group: n2adr-sdr
Date: 2012-01-11 10:40:20 UTC
From: Mario
Topic: 448 Message: 448

Hi,

i added some details on the X1 control byte and the attenuator control.
I also uploaded my test scripts that i use to verify what i write down.
They are pretty straight forward but probably useful for understanding.
Please report questions (and also spelling and grammar mistakes).

The API stuff has moved to a subfolder of my privat folder in the files section.

regards
Mario

449. Extensions for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-11 10:44:51 UTC
From: stefan.goerg
Topic: 449 Message: 449

Hi,

for receiving higher frequencies as 6m, i tried to use my old MVT-7100 scanner. I have the scanner expanded with a IF-output and HiQSDR now receives the IF with 45.1 MHz. It is nice to see the complete 70cm range with hiqscope, transformed to 40-50 MHz.

Better solution would be a real transverter, the best is a universal hardware interface to expand the rx and tx range up to 2 GHz or higher. A nice solution a have found is the concept of daughterboards for USRP: http://en.wikipedia.org/wiki/Universal_Software_Radio_Peripheral . Knows someone a universal hardware like the WBX, 50 MHz□2.2 GHz Transceiver, usable with HiQSDR ?

Another idea is to use a sheevaplug (http://www.plugcomputer.org/development-kits/plug-computer-basic.html) to create a transceiver usable without a computer. I mean, the sheevaplug should be have enough computing power to do the dsp-operations and - expanded with a simple audio usb stick □ to do all modulation and demodulation. The size of sheevaplug is only 10*7 cm, should good fitting in a case. Completed with keys, controls, display and helmuts new preselector, it may be a nice device.

73
Stefan, DL2STG

450. Re: Extensions for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-11 12:33:51 UTC
From: Mario
Topic: 449 Message: 450

Hi Stefan,

my opinion is that a good transverter should be used with the HiQSDR to achieve a excellent performance.
For simply operating on VHF and UHF you may also consider the Miniverter stuff from W1GHZ.
http://www.w1ghz.org/

Regarding small PC:
the sheevaplug seems a nice device and there is also a small touchscreen monitor with USB connection for that one.
Other choice might be to use a tablet with enough CPU power but i do not know if there is one with ethernet interface.
My own solution for the moment is a I7-2600 PC in a small PC enclosure. For portable usage i would prefer a remote connection from a laptop to prevent taking a monitor with me.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "stefan.goerg" <stefan.goerg@...> wrote:
>
> Hi,
>
> for receiving higher frequencies as 6m, i tried to use my old MVT-7100 scanner. I have the scanner expanded with a IF-output and HiQSDR now receives the IF with 45.1 MHz. It is nice to see the complete 70cm range with hiqscope, transformed to 40-50 MHz.
>
> Better solution would be a real transverter, the best is a universal hardware interface to expand the rx and tx range up to 2 GHz or higher. A nice solution a have found is the concept of daughterboards for USRP: http://en.wikipedia.org/wiki/Universal_Software_Radio_Peripheral . Knows someone a universal hardware like the WBX, 50 MHz□2.2 GHz Transceiver, usable with HiQSDR ?
>
> Another idea is to use a sheevaplug (http://www.plugcomputer.org/development-kits/plug-computer-basic.html) to create a transceiver usable without a computer. I mean, the sheevaplug should be have enough computing power to do the dsp-operations and - expanded with a simple audio usb stick □ to do all modulation and demodulation. The size of sheevaplug is only 10*7 cm, should good fitting in a case. Completed with keys, controls, display and helmuts new preselector, it may be a nice device.
>
> 73
> Stefan, DL2STG
>

451. Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-13 07:53:00 UTC
From: Mario
Topic: 427 Message: 451

Hi,

i also now got the server for HiQSDR compiled and running. I had problems with QT4 on my SDR PC but it worked pretty fine with a Ubuntu driven laptop.
Unfortunately i have no antenna that would make it worth to share the SDR with you. I just have a mobile indoor antenna and sometimes i mount a vertical to the balcony. But it cant stay there.

I noticed that the version of QTRadio installed from the PPA archive does not work anymore. I always get connection refused or disconnected. The version i compiled myself works pretty fine. Is there a special reason for that ?

Another question: I understood Codec2 is used to transfer audio from the DSPServer to the QtRadio client. Is there any possiblity to get samples with reasonable quality to another software e.g. DREAM for DRM decoding ? For this QtRadio would also need 12kHz and 21kHz SSB Modes. At the moment 5kHz is the maximum bandwidth.

I assume QtRadio does not handle TX with the HiQSDR yet, does it ?
How would be the handling of CW signals ? (evaluation of the TX indication in the RX signal, i think i have to write it down rather short term ;))

At the moment also 192kSpl/s is the maximum adjustable rate from the frontend. Is this a current restriction of ghpsdr ?
Anyway it works rather nice. Quisk has some advantages over QtRadio and QtRadio has some advantages as well.

Thank you very much !

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Thanks Andrea, I didn't notice I had started it as root.
> Restarted dhpserver as user and it's now in the server list.
> 73 ... Sid.
>
> On 08/01/12 13:54, Sid Boyce wrote:
> >
> > Seems it was launching hiqsdr-server in background mode.
> > 21665 pts/0 Sl+ 0:20 | _ dspserver --lo --share
> > 21663 pts/1 Sl+ 0:10 | _ hiqsdr-server -d3 -s 96000
> >
> > The rig doesn't appear in the server list.
> > 73 ... Sid.
> >
> > On 08/01/12 13:41, Sid Boyce wrote:

> >
> >> Trying a fresh clone of ghpsdr3-alex. Built and installed the master
> >> branch.
> >> hiqsdr-server launched.
> >>
> >> dspserver gets
> >> ozy_init: connect failed: Connection refused
> >>
> >> I see there is a configure option for Perseus but not for hiqsdr.
> >> 73 ... Sid.
> >>
> >>
> >> On 08/01/12 07:43, Andrea Montefusco wrote:
> >>
> >>> Hi all,
> >>>
> >>> I just pushed into master branch the experimental code in order to
> >>> support the HiQSDR transceiver.
> >>>
> >>> For the sdr-widget people, the web site is
> >>>
> >>> http://www.hiqsdr.org/
> >>>
> >>> instead the ghpsdr3-alex site is:
> >>>
> >>> http://napan.ca/ghpsdr3/
> >>>
> >>> The code specific for Hiqsdr has been written by me, IW0HDV; many
> >>> thanks to Sid Boyce G3VBV for the
> >>> invaluable support: he provided his radio, a powerful Linux PC and
> >>> Internet connection for the
> >>> development.
> >>> Many thanks too to Mario Roessler DH5YM that wrote a precious
> >>> document (found at
> >>> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
> >>> that explains the details of the network protocol used to control
> >>> and send/receive data to/from HiQSDR hardware.
> >>>
> >>> *am*
> >>>
> >>> ---
> >>> Andrea Montefusco iw0hdv http://www.montefusco.com
> >>> tel: +393356992791 fax: +390623318709
> >>> ---
> >>>
> >>
> >>
> >> --
> >> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> >> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

> >> Senior Staff Specialist, Cricket Coach
> >> Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
> >
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452. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-13 11:04:17 UTC
From: Sid Boyce
Topic: 427 Message: 452

Hi Mario,
Early days yet for the whole project and earlier still for full HiQSDR support.

Alex Lee saw ghpsdr3 as a great vehicle for extending support to Softrock and add-ons like the SDR-Widget which which is capable of 192K max.

The base code by John Melton supported HPSDR (96K max), so support for mainly Softrock and later Perseus has been the work of Alex (9V1AL), Andrea (IW0HDV) and others.

Andrea volunteered to do HiQSDR support less than 2 weeks ago using my setup remotely as he only has HPSDR and Perseus.

I have a problem with TX which is a hardware problem so it's not been possible for Andrea or myself to test TX, it's an unknown at present. The /PTT +3.3V on my HiQSDR is missing so some more work has to be done to track it down. I was able to TX using quisk before this problem occurred.

Andrea informs me that changes to a number of files would be needed for >192K support.

Your HiQSDR documentation has been of great benefit in adding support.

The code is still in a state of constant flux and is being expanded at quite a pace.
73 ... Sid.

On 13/01/12 07:53, Mario wrote:
>
> Hi,
>
> i also now got the server for HiQSDR compiled and running. I had
> problems with QT4 on my SDR PC but it worked pretty fine with a Ubuntu
> driven laptop.
> Unfortunately i have no antenna that would make it worth to share the
> SDR with you. I just have a mobile indoor antenna and sometimes i
> mount a vertical to the balcony. But it cant stay there.
>
> I noticed that the version of QTRadio installed from the PPA archive
> does not work anymore. I always get connection refused or
> disconnected. The version i compiled myself works pretty fine. Is
> there a special reason for that ?
>
> Another question: I understood Codec2 is used to transfer audio from
> the DSPServer to the QtRadio client. Is there any possiblity to get

> samples with reasonable quality to another software e.g. DREAM for DRM
> decoding ? For this QtRadio would also need 12kHz and 21kHz SSB Modes.
> At the moment 5kHz is the maximum bandwidth.
>
> I assume QtRadio does not handle TX with the HiQSDR yet, does it ?
> How would be the handling of CW signals ? (evaluation of the TX
> indication in the RX signal, i think i have to write it down rather
> short term ;))
>
> At the moment also 192kSpl/s is the maximum adjustable rate from the
> frontend. Is this a current restriction of ghpsdr ?
> Anyway it works rather nice. Quisk has some advantages over QtRadio
> and QtRadio has some advantages as well.
>
> Thank you very much !
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks Andrea, I didn't notice I had started it as root.
> > Restarted dhpserver as user and it's now in the server list.
> > 73 ... Sid.
> >
> > On 08/01/12 13:54, Sid Boyce wrote:
> > >
> > > Seems it was launching hiqsdr-server in background mode.
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> > > 21663 pts/1 Sl+ 0:10 | _ hiqsdr-server -d3 -s 96000
> > >
> > > The rig doesn't appear in the server list.
> > > 73 ... Sid.
> > >
> > > On 08/01/12 13:41, Sid Boyce wrote:
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> > >> Trying a fresh clone of ghpsdr3-alex. Built and installed the master
> > >> branch.
> > >> hiqsdr-server launched.
> > >>
> > >> dspserver gets
> > >> ozy_init: connect failed: Connection refused
> > >>
> > >> I see there is a configure option for Perseus but not for hiqsdr.
> > >> 73 ... Sid.
> > >>
> > >>
> > >> On 08/01/12 07:43, Andrea Montefusco wrote:
> > >>

> > >>> Hi all,
> > >>>
> > >>> I just pushed into master branch the experimental code in order to
> > >>> support the HiQSDR transceiver.
> > >>>
> > >>> For the sdr-widget people, the web site is
> > >>>
> > >>> http://www.hiqsdr.org/
> > >>>
> > >>> instead the ghpsdr3-alex site is:
> > >>>
> > >>> http://napan.ca/ghpsdr3/
> > >>>
> > >>> The code specific for Hiqsdr has been written by me, IW0HDV; many
> > >>> thanks to Sid Boyce G3VBV for the
> > >>> invaluable support: he provided his radio, a powerful Linux PC and
> > >>> Internet connection for the
> > >>> development.
> > >>> Many thanks too to Mario Roessler DH5YM that wrote a precious
> > >>> document (found at
> > >>> http://hiqsdr.finken-net.de/FPGA-N2ADR/n2adr_control_doc.pdf)
> > >>> that explains the details of the network protocol used to control
> > >>> and send/receive data to/from HiQSDR hardware.
> > >>>
> > >>> *am*
> > >>>
> > >>> ---
> > >>> Andrea Montefusco iw0hdv http://www.montefusco.com
> > >>> tel: +393356992791 fax: +390623318709
> > >>> ---
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--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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453. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-13 13:19:25 UTC
From: andrea montefusco
Topic: 427 Message: 453

On Fri, Jan 13, 2012 at 8:53 AM, Mario <dh5ym@...> wrote:
> i also now got the server for HiQSDR compiled and running. I had problems with QT4 on my SDR PC but it worked pretty fine with a Ubuntu driven laptop.
Please report every bug or problem you get, we can try to solve it.
Report the distro and the whole configure/make output showing the
error. We need the broadest case history possible.

> I noticed that the version of QTRadio installed from the PPA archive does not work anymore. I always get connection refused or disconnected. The version i compiled myself works pretty fine. Is there a special reason for that ?

Yes , you are right; the PPA ghpsdr3-exp is compiled from the master
branch that is lagging behind.
However we are doing test in order to produce a new master. Maybe in
the next weekend I could be able to refresh the PPA.
Note that there is another PPA with the rxtx but this too is not so recent.

> At the moment also 192kSpl/s is the maximum adjustable rate from the frontend. Is this a current restriction of ghpsdr ?
> Anyway it works rather nice. Quisk has some advantages over QtRadio and QtRadio has some advantages as well.

Really it depends from two points: one in QtRadio, that is already
been removed, but not yet in master branch, and another one in
dspserver that I removed for early support of Perseus and that we have
to reintroduce (essentially a rate conversion on audio backend).

am

--
Andrea Montefusco IW0HDV

454. TX screenshots from HiQSDR PCB

Yahoo group: n2adr-sdr
Date: 2012-01-15 13:58:36 UTC
From: Mario
Topic: 454 Message: 454

Hi,

i added a ZIP file with some screenshots i took from my HiQSDR PCB to the files section.
Looks pretty well i think. Just in CW mode there are some spurs that should not be there (but with very low level).
Some effects that i saw with my original N2ADR PCB are not there. So the signal looks much better with the work from Helmut.
Probably also some recent improvements in Quisk have some contribution. I used 3.5.11.
On 50MHz a significant degradation of the noise performance is visible.
The harmonics of the 80m testsignal are visible here as well. So this seems to be generated in the FPGA already i assume.

regards
Mario, DH5YM

455. Re: QEX Article

Yahoo group: n2adr-sdr
Date: 2012-01-15 21:43:56 UTC
From: cybinlabs
Topic: 419 Message: 455

Chris:

This question is best answered by considering the question: What would you see if you sampled a non Nyquist filtered square wave at say 350 MHz with the HiQSDR operating at its normal conversion frequency?

All the various harmonics that are manufactured by the non linearities of the amplifiers, mixers, and samplers that are fundamental to their operation show up in the pass band of "Nyquist filtered" signal. Pre filtering conserves the dynamic range of the receiving system by allowing only the signals of interest to be processed.

There has been some previous discussion on the merits of 14 vs 16 bit A/D conversion. When using digital filters, especially FIR filters, it takes a huge number, some times hundreds, of taps to reach the out of band specification. When IIR filters are used, the availability of more bits will help to improve stability of the digital filter when narrow band filters are deployed. Round off noise is also improved. One should never rely on a "magical Nyquist filter" as it to is only an approximation to the ideal.

You might try reading the Verilog code and see if you can figure out what the pass band response looks like.

Start with dspguru.com

Regards,

c.glasser

--- In n2adr-sdr@yahoogroups.com, "Chris Stake" <stake@...> wrote:
>
> Hello Guys,
>
> I have read the original article and I can follow most of it but there's
> something I don't understand about down-conversion.
>
> I had assumed that by sampling the RF input at above the Nyquist frequency
> of the HF bands it would be possible to dispense with the external band pass
> filters that are necessary to prevent aliasing in analogue mixer designs
> and that low-pass or band-pass filtering would be an integral part of the
> down-conversion and decimation performed in the FPGA.
>
> I note that the pre-selector design seems to include band-pass filters and
> so I deduce that this function is not performed by the FPGA, perhaps it is
> beyond the capability of this FPGA?
>
> I would be grateful if someone could clarify this for me.
>
> Regards

>
> Chris Stake
>
>
>
> From: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] On Behalf
> Of Sid Boyce
> Sent: 30 December 2011 15:19
> To: n2adr-sdr@yahoogroups.com
> Subject: Re: [n2adr-sdr] QEX Article
>
>
>
>
>
> The new ARRL site looks nicer but looks deceive, it's an abomination.
>
> . Jan 2011 - QEX (Pg. 3)
>
>
> An All-Digital Transceiver for HF
>
>
> Author: Ahlstrom, James, N2ADR
> This item is not available for download by Members Why not?
>
>
>
> The ARRL Periodicals Archive and Search is both an index of articles and an
> archive of downloadable material. However, not everything in the index is
> available for download.
>
> The item you requested is not in the archive of downloadable information.
> This may be because:
>
> * Most QST material newer than 2007 is not available for download
> * QEX, NCJ and Ham Radio material is not available for download
>
> 73 ... Sid.
>

456. Re: [n2adr-sdr] QTRadio + HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-16 04:17:12 UTC
From: Yu Disong
Topic: 438 Message: 456

Hi Sid,

Where to download QTRadio?

73,
Dale

--- 12年1月10日，周二, Sid Boyce <g3vbv@blueyonder.co.uk> 写道：

发件人: Sid Boyce <g3vbv@...>
主题: Re: [n2adr-sdr] QTRadio + HiQSDR
收件人: n2adr-sdr@yahoogroups.com
日期: 2012年1月10日,周二,上午6:52

Thanks for the report Helmut,
It's an amazing project that's still young and a nice fit for the HiQSDR.
Thanks also for your contribution on the hardware and looking forward soon to the addition of the pre-selector board.
73 ... Sid.

On 09/01/12 19:04, Helmut Goebkes wrote:

Hi Group,

today i installed QTRadio running under Windows
after connecting to G3VBV running HiQSDR i can operate
the HiQSDR in GB from my home shack in southern Germany
without problems! I checked against a station received
directly with my TS-2000 the audio delay was around 500mS -
QTRadio is very impressive! - thanks to the folks who
implemented HiQSDR to this nice Software base and
thanks to all who are working active on this Project!

I think many HiQSDRs are accessible via the net soon... ;-))

73! Helmut, DB1CC

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

457. Re: QTRadio + HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-16 06:40:54 UTC
From: Mario
Topic: 438 Message: 457

Hi Dale,

please find the QtRadio project Wiki here:
http://napan.ca/ghpsdr3/index.php/QtRadio_Installation
All necessary steps are described there.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Hi Sid,
> Â
> Where to download QTRadio?
> Â
> 73,
> Dale
>
> --- 12å¹´1æ□□10æ□¥ï¼□å¨ä°□, Sid Boyce <g3vbv@...> å□□é□"ï¼□
>
>
> å□`ä»¶äºº: Sid Boyce <g3vbv@...>
> ä¸»é¢□: Re: [n2adr-sdr] QTRadio + HiQSDR
> æ"¶ä»¶äºº: n2adr-sdr@yahoogroups.com
> æ□¥æ□□: 2012å¹´1æ□□10æ□¥,å¨ä°□,ä¸□å□□6:52
>
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> Â
>
>
>
> Thanks for the report Helmut,
> It's an amazing project that's still young and a nice fit for the HiQSDR.
> Thanks also for your contribution on the hardware and looking forward soon to the addition of the pre-selector board.
> 73 ... Sid.
>
> On 09/01/12 19:04, Helmut Goebkes wrote:
> Â
>
> Hi Group,
>
> today i installed QTRadio running under Windows
> after connecting to G3VBV running HiQSDR i can operate
> the HiQSDR in GB from my home shack in southern Germany

> without problems! I checked against a station received
> directly with my TS-2000 the audio delay was around 500mS -
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> implemented HiQSDR to this nice Software base and
> thanks to all who are working active on this Project!
>
> I think many HiQSDRs are accessible via the net soon... ;-))
>
> 73! Helmut, DB1CC
>
>
>
> --
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>

458. qsdr-0.9.3 build problem

Yahoo group: n2adr-sdr
Date: 2012-01-20 11:57:24 UTC
From: Sid Boyce
Topic: 458 Message: 458

```
gnuradio-3.4.2 configure script
-----------------------------------------------
#!/bin/bash
./configure --prefix=/usr --with-boost-libdir=/usr/lib --disable-volk
--enable-gr-audio --disable-gr-cvsd-vocoder --disable-gr-gsm-fr-vocoder
--disable-gr-trellis --enable-gruel
-----------------------------------------------------------------------------------------------
---------------------------------------
I applied the patch to gnuradio-3.4.2, built and installed it with gruel
configured.
Did qmake-qt4 then make.
root@sdrbox1:/usr/src/qsdr-0.9.3# make
g++ -m64 -Wl,-O1 -o qsdr .obj/main.o .obj/qsdrimpl.o .obj/fftGraph.o
.obj/filterGraph.o .obj/smeter.o .obj/operations.o .obj/usbsr.o
.obj/gr_sdr_sink.o .obj/gr_psk31_decoder.o .obj/gr_hiqsdr_source.o
.obj/gr_hiqsdr_sink.o .obj/hiqsdr_ctl.o .obj/moc_qsdrimpl.o
.obj/moc_fftGraph.o .obj/moc_filterGraph.o
-L/usr/lib/x86_64-linux-gnu -lusb -L /usr/local//lib/ -lgnuradio-core
-lgnuradio-audio -lQtGui -lQtCore -lpthread
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `pmt::PMT_F'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_wrong_type::pmt_wrong_type(std::basic_string<char,
std::char_traits<char>, std::allocator<char> > const&,
boost::intrusive_ptr<pmt::pmt_base>)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_to_long(boost::intrusive_ptr<pmt::pmt_base>)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::intrusive_ptr_release(pmt::pmt_base*)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_is_true(boost::intrusive_ptr<pmt::pmt_base>)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_make_tuple(boost::intrusive_ptr<pmt::pmt_base> const&,
boost::intrusive_ptr<pmt::pmt_base> const&,
boost::intrusive_ptr<pmt::pmt_base> const&,
boost::intrusive_ptr<pmt::pmt_base> const&)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `pmt::PMT_T'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::intrusive_ptr_add_ref(pmt::pmt_base*)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_to_uint64(boost::intrusive_ptr<pmt::pmt_base>)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`gruel::msg_accepter::~msg_accepter()'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_is_symbol(boost::intrusive_ptr<pmt::pmt_base> const&)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `typeinfo
```

```
for gruel::msg_accepter'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_is_false(boost::intrusive_ptr<pmt::pmt_base>)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_from_uint64(unsigned long)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_eqv(boost::intrusive_ptr<pmt::pmt_base> const&,
boost::intrusive_ptr<pmt::pmt_base> const&)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_string_to_symbol(std::basic_string<char,
std::char_traits<char>, std::allocator<char> > const&)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_tuple_ref(boost::intrusive_ptr<pmt::pmt_base> const&, unsigned
long)'
/usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
`pmt::pmt_to_double(boost::intrusive_ptr<pmt::pmt_base>)'
collect2: ld returned 1 exit status
make: *** [qsdr] Error 1

root@sdrbox1:/usr/src/qsdr-0.9.3# l /usr/include/gruel
total 100
-rw-r--r-- 1 root root 2073 2012-01-20 11:16 attributes.h
-rw-r--r-- 1 root root 4676 2012-01-20 11:16 high_res_timer.h
-rw-r--r-- 1 root root 3333 2012-01-20 11:16 inet.h
-rw-r--r-- 1 root root 1538 2012-01-20 11:16 msg_accepter.h
-rw-r--r-- 1 root root 1429 2012-01-20 11:16 msg_accepter_msgq.h
-rw-r--r-- 1 root root 3152 2012-01-20 11:16 msg_passing.h
-rw-r--r-- 1 root root 2513 2012-01-20 11:16 msg_queue.h
-rw-r--r-- 1 root root 27596 2012-01-20 11:16 pmt.h
-rw-r--r-- 1 root root 2218 2012-01-20 11:16 pmt_pool.h
-rw-r--r-- 1 root root 1718 2012-01-20 11:16 pmt_serial_tags.h
-rw-r--r-- 1 root root 4114 2012-01-20 11:16 pmt_sugar.h
-rw-r--r-- 1 root root 2836 2012-01-20 11:16 realtime.h
drwxr-xr-x 2 root root 4096 2012-01-20 00:37 swig
-rw-r--r-- 1 root root 1319 2012-01-20 11:16 sys_pri.h
-rw-r--r-- 1 root root 1655 2012-01-20 11:16 thread_body_wrapper.h
-rw-r--r-- 1 root root 1088 2012-01-20 11:16 thread_group.h
-rw-r--r-- 1 root root 1324 2012-01-20 11:16 thread.h

root@sdrbox1:/usr/src/qsdr-0.9.3# grep PMT_F /usr/include/gruel/*
/usr/include/gruel/pmt.h:extern const pmt_t PMT_F; //< \#f :
boolean false constant
/usr/include/gruel/pmt.h://! Return true if val is PMT_T, return false
when val is PMT_F,
root@sdrbox1:/usr/src/qsdr-0.9.3#
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
```

Microsoft Windows Free Zone - Linux used for all Computing Tasks

459. Re: qsdr-0.9.3 build problem

Yahoo group: n2adr-sdr
Date: 2012-01-20 22:13:09 UTC
From: dl2stg
Topic: 458 Message: 459

Hi,

is a correct libgruel-3.4.2.so.0 in /usr/lib ? I think, there is a incomplete installation of gnuradio in /usr.

73 Stefan

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> gnuradio-3.4.2 configure script
> --
> #!/bin/bash
> ./configure --prefix=/usr --with-boost-libdir=/usr/lib --disable-volk
> --enable-gr-audio --disable-gr-cvsd-vocoder --disable-gr-gsm-fr-vocoder
> --disable-gr-trellis --enable-gruel
> --
> I applied the patch to gnuradio-3.4.2, built and installed it with gruel
> configured.
> Did qmake-qt4 then make.
> root@sdrbox1:/usr/src/qsdr-0.9.3# make
> g++ -m64 -Wl,-O1 -o qsdr .obj/main.o .obj/qsdrimpl.o .obj/fftGraph.o
> .obj/filterGraph.o .obj/smeter.o .obj/operations.o .obj/usbsr.o
> .obj/gr_sdr_sink.o .obj/gr_psk31_decoder.o .obj/gr_hiqsdr_source.o
> .obj/gr_hiqsdr_sink.o .obj/hiqsdr_ctl.o .obj/moc_qsdrimpl.o
> .obj/moc_fftGraph.o .obj/moc_filterGraph.o
> -L/usr/lib/x86_64-linux-gnu -lusb -L /usr/local//lib/ -lgnuradio-core
> -lgnuradio-audio -lQtGui -lQtCore -lpthread
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `pmt::PMT_F'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_wrong_type::pmt_wrong_type(std::basic_string<char,
> std::char_traits<char>, std::allocator<char> > const&,
> boost::intrusive_ptr<pmt::pmt_base>)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_to_long(boost::intrusive_ptr<pmt::pmt_base>)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::intrusive_ptr_release(pmt::pmt_base*)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_is_true(boost::intrusive_ptr<pmt::pmt_base>)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_make_tuple(boost::intrusive_ptr<pmt::pmt_base> const&,
> boost::intrusive_ptr<pmt::pmt_base> const&,
> boost::intrusive_ptr<pmt::pmt_base> const&,
> boost::intrusive_ptr<pmt::pmt_base> const&)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `pmt::PMT_T'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to

```
> `pmt::intrusive_ptr_add_ref(pmt::pmt_base*)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_to_uint64(boost::intrusive_ptr<pmt::pmt_base>)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `gruel::msg_accepter::~msg_accepter()'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_is_symbol(boost::intrusive_ptr<pmt::pmt_base> const&)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to `typeinfo
> for gruel::msg_accepter'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_is_false(boost::intrusive_ptr<pmt::pmt_base>)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_from_uint64(unsigned long)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_eqv(boost::intrusive_ptr<pmt::pmt_base> const&,
> boost::intrusive_ptr<pmt::pmt_base> const&)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_string_to_symbol(std::basic_string<char,
> std::char_traits<char>, std::allocator<char> > const&)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_tuple_ref(boost::intrusive_ptr<pmt::pmt_base> const&, unsigned
> long)'
> /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::pmt_to_double(boost::intrusive_ptr<pmt::pmt_base>)'
> collect2: ld returned 1 exit status
> make: *** [qsdr] Error 1
>
> root@sdrbox1:/usr/src/qsdr-0.9.3# l /usr/include/gruel
> total 100
> -rw-r--r-- 1 root root 2073 2012-01-20 11:16 attributes.h
> -rw-r--r-- 1 root root 4676 2012-01-20 11:16 high_res_timer.h
> -rw-r--r-- 1 root root 3333 2012-01-20 11:16 inet.h
> -rw-r--r-- 1 root root 1538 2012-01-20 11:16 msg_accepter.h
> -rw-r--r-- 1 root root 1429 2012-01-20 11:16 msg_accepter_msgq.h
> -rw-r--r-- 1 root root 3152 2012-01-20 11:16 msg_passing.h
> -rw-r--r-- 1 root root 2513 2012-01-20 11:16 msg_queue.h
> -rw-r--r-- 1 root root 27596 2012-01-20 11:16 pmt.h
> -rw-r--r-- 1 root root 2218 2012-01-20 11:16 pmt_pool.h
> -rw-r--r-- 1 root root 1718 2012-01-20 11:16 pmt_serial_tags.h
> -rw-r--r-- 1 root root 4114 2012-01-20 11:16 pmt_sugar.h
> -rw-r--r-- 1 root root 2836 2012-01-20 11:16 realtime.h
> drwxr-xr-x 2 root root 4096 2012-01-20 00:37 swig
> -rw-r--r-- 1 root root 1319 2012-01-20 11:16 sys_pri.h
> -rw-r--r-- 1 root root 1655 2012-01-20 11:16 thread_body_wrapper.h
> -rw-r--r-- 1 root root 1088 2012-01-20 11:16 thread_group.h
> -rw-r--r-- 1 root root 1324 2012-01-20 11:16 thread.h
>
> root@sdrbox1:/usr/src/qsdr-0.9.3# grep PMT_F /usr/include/gruel/*
> /usr/include/gruel/pmt.h:extern const pmt_t PMT_F; //< \#f :
> boolean false constant
```

> /usr/include/gruel/pmt.h://! Return true if val is PMT_T, return false
> when val is PMT_F,
> root@sdrbox1:/usr/src/qsdr-0.9.3#
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

460. Re: [n2adr-sdr] Re: qsdr-0.9.3 build problem

Yahoo group: n2adr-sdr
Date: 2012-01-21 06:51:20 UTC
From: Sid Boyce
Topic: 458 Message: 460

```
Thanks, I shall have to build that version.
ii libgruel0
3.2.2.dfsg-1ubuntu7
73 ... Sid.

On 20/01/12 22:13, dl2stg wrote:
>
> Hi,
>
> is a correct libgruel-3.4.2.so.0 in /usr/lib ? I think, there is a
> incomplete installation of gnuradio in /usr.
>
> 73 Stefan
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > gnuradio-3.4.2 configure script
> > ----------------------------------------------
> > #!/bin/bash
> > ./configure --prefix=/usr --with-boost-libdir=/usr/lib --disable-volk
> > --enable-gr-audio --disable-gr-cvsd-vocoder --disable-gr-gsm-fr-vocoder
> > --disable-gr-trellis --enable-gruel
> > ----------------------------------------------------------
> > I applied the patch to gnuradio-3.4.2, built and installed it with
> gruel
> > configured.
> > Did qmake-qt4 then make.
> > root@sdrbox1:/usr/src/qsdr-0.9.3# make
> > g++ -m64 -Wl,-O1 -o qsdr .obj/main.o .obj/qsdrimpl.o .obj/fftGraph.o
> > .obj/filterGraph.o .obj/smeter.o .obj/operations.o .obj/usbsr.o
> > .obj/gr_sdr_sink.o .obj/gr_psk31_decoder.o .obj/gr_hiqsdr_source.o
> > .obj/gr_hiqsdr_sink.o .obj/hiqsdr_ctl.o .obj/moc_qsdrimpl.o
> > .obj/moc_fftGraph.o .obj/moc_filterGraph.o
> > -L/usr/lib/x86_64-linux-gnu -lusb -L /usr/local//lib/ -lgnuradio-core
> > -lgnuradio-audio -lQtGui -lQtCore -lpthread
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::PMT_F'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_wrong_type::pmt_wrong_type(std::basic_string<char,
> > std::char_traits<char>, std::allocator<char> > const&,
> > boost::intrusive_ptr<pmt::pmt_base>)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_to_long(boost::intrusive_ptr<pmt::pmt_base>)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
```

```
> > `pmt::intrusive_ptr_release(pmt::pmt_base*)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_is_true(boost::intrusive_ptr<pmt::pmt_base>)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_make_tuple(boost::intrusive_ptr<pmt::pmt_base> const&,
> > boost::intrusive_ptr<pmt::pmt_base> const&,
> > boost::intrusive_ptr<pmt::pmt_base> const&,
> > boost::intrusive_ptr<pmt::pmt_base> const&)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `pmt::PMT_T'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::intrusive_ptr_add_ref(pmt::pmt_base*)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_to_uint64(boost::intrusive_ptr<pmt::pmt_base>)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `gruel::msg_accepter::~msg_accepter()'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_is_symbol(boost::intrusive_ptr<pmt::pmt_base> const&)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> `typeinfo
> > for gruel::msg_accepter'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_is_false(boost::intrusive_ptr<pmt::pmt_base>)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_from_uint64(unsigned long)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_eqv(boost::intrusive_ptr<pmt::pmt_base> const&,
> > boost::intrusive_ptr<pmt::pmt_base> const&)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_string_to_symbol(std::basic_string<char,
> > std::char_traits<char>, std::allocator<char> > const&)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_tuple_ref(boost::intrusive_ptr<pmt::pmt_base> const&,
> unsigned
> > long)'
> > /usr/lib64/libgnuradio-core-3.4.2.so.0: undefined reference to
> > `pmt::pmt_to_double(boost::intrusive_ptr<pmt::pmt_base>)'
> > collect2: ld returned 1 exit status
> > make: *** [qsdr] Error 1
> >
> > root@sdrbox1:/usr/src/qsdr-0.9.3# l /usr/include/gruel
> > total 100
> > -rw-r--r-- 1 root root 2073 2012-01-20 11:16 attributes.h
> > -rw-r--r-- 1 root root 4676 2012-01-20 11:16 high_res_timer.h
> > -rw-r--r-- 1 root root 3333 2012-01-20 11:16 inet.h
> > -rw-r--r-- 1 root root 1538 2012-01-20 11:16 msg_accepter.h
> > -rw-r--r-- 1 root root 1429 2012-01-20 11:16 msg_accepter_msgq.h
> > -rw-r--r-- 1 root root 3152 2012-01-20 11:16 msg_passing.h
> > -rw-r--r-- 1 root root 2513 2012-01-20 11:16 msg_queue.h
> > -rw-r--r-- 1 root root 27596 2012-01-20 11:16 pmt.h
```

> > -rw-r--r-- 1 root root 2218 2012-01-20 11:16 pmt_pool.h
> > -rw-r--r-- 1 root root 1718 2012-01-20 11:16 pmt_serial_tags.h
> > -rw-r--r-- 1 root root 4114 2012-01-20 11:16 pmt_sugar.h
> > -rw-r--r-- 1 root root 2836 2012-01-20 11:16 realtime.h
> > drwxr-xr-x 2 root root 4096 2012-01-20 00:37 swig
> > -rw-r--r-- 1 root root 1319 2012-01-20 11:16 sys_pri.h
> > -rw-r--r-- 1 root root 1655 2012-01-20 11:16 thread_body_wrapper.h
> > -rw-r--r-- 1 root root 1088 2012-01-20 11:16 thread_group.h
> > -rw-r--r-- 1 root root 1324 2012-01-20 11:16 thread.h
> >
> > root@sdrbox1:/usr/src/qsdr-0.9.3# grep PMT_F /usr/include/gruel/*
> > /usr/include/gruel/pmt.h:extern const pmt_t PMT_F; //< \#f :
> > boolean false constant
> > /usr/include/gruel/pmt.h://! Return true if val is PMT_T, return false
> > when val is PMT_F,
> > root@sdrbox1:/usr/src/qsdr-0.9.3#
> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

461. Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 10:21:49 UTC
From: Hubert
Topic: 427 Message: 461

Hello Andrea IW0HDV,
the last few days i tested ghpsdr-alex from git with the rxtx-rtp-symm and my HiQSDR.
System: Debian 64Bit, Gnome, Alsa and Pulseaudio, ghpsdr-alex git from 19. January 2012

I have found few things here:
QtRadio runs but no Sound to the Speaker, sometimes on startup
i hear for a very short time signals.
jmonitor runs well. Probably sound of QtRadio

If i end first the dspserver and second the hiqsdr-server with q enter the hiqsdr do not switch back and send network packages to the net. On a new startup i have to switch off the HiQSDR bevor a new startup of hiqsdr-server and dspserver.

Here are the Messages from QtRadio:
```
Debug: Main GUI thread : QThread(0x1c73cc0)
0: QtRadio
Debug: Connection::Connection
Debug: USBFilters
Debug: audio_encoding changed to : 0
Debug: G711A init decode table
Debug: G711A init encode table
Debug: RTP::RTP
rigctl: Listening
rigctl: Calling init
Debug: G711A init decode table
Debug: G711A init encode table
Debug: Audio: LittleEndian= 1 BigEndian= 0
Debug: init_decodetable
Debug: audio_processing_thread : QThread(0x1f991e0)
Debug: Configure: initAudioDevices
Debug: Audio::get_audio_devices
Debug: Audio::get_audio_devices: "alsa_output.pci-0000_05_00.0.analog-stereo"
Debug: Codecs:
Debug: audio/pcm
Debug: Byte Orders
Debug: BigEndian
Debug: LittleEndian
Debug: Sample Type
Debug: SignedInt
Debug: UnSignedInt
Debug: Float
Debug: Sample Rates
Debug: 8000
Debug: 11025
Debug: 22050
Debug: 44100
```

```
Debug: 48000
Debug: Sample Sizes
Debug: 8
Debug: 16
Debug: 24
Debug: 32
Debug: Channels
Debug: 1
Debug: 2
Debug: 4
Debug: 6
Debug: 8
Debug: Audio::get_audio_devices: default is "alsa_output.pci-0000_05_00.0.analog-stereo"
Debug: QAudioOutput: error= 0 state= 2
Debug: Configure: initAudioDevices
Debug: Audio::get_audioinput_devices
Debug: Audio::get_audioinput_devices: "alsa_input.pci-0000_05_00.0.analog-stereo"
Debug: Codecs:
Debug: audio/pcm
Debug: Byte Orders
Debug: BigEndian
Debug: LittleEndian
Debug: Sample Type
Debug: SignedInt
Debug: UnSignedInt
Debug: Float
Debug: Sample Rates
Debug: 8000
Debug: 11025
Debug: 22050
Debug: 44100
Debug: 48000
Debug: Sample Sizes
Debug: 8
Debug: 16
Debug: 24
Debug: 32
Debug: Channels
Debug: 1
Debug: 2
Debug: 4
Debug: 6
Debug: 8
Debug: Mic selected is device number: 0
Debug: Audioinput::get_audio_devices: default is
"alsa_input.pci-0000_05_00.0.analog-stereo"
Debug: QAudioOutput: error= 0 state= 2
Debug: getByteOrder: 0 "LittleEndian" order: 1
Debug: loadSettings: "/home/hubi/.config/G0ORX/QtRadio.conf"
Debug: frequency.0. 0 = 7001000
```

```
Debug: mode.0. 0 = 3
Debug: filter.0. 0 = 4
Debug: frequency.0. 1 = 7060000
Debug: mode.0. 1 = 0
Debug: filter.0. 1 = 3
Debug: frequency.0. 2 = 7100000
Debug: mode.0. 2 = 0
Debug: filter.0. 2 = 3
Debug: frequency.0. 3 = 7162600
Debug: mode.0. 3 = 0
Debug: filter.0. 3 = 3
Debug: The value of spectrumHigh is ... -40
Debug: Bookmarks::loadSettings
Debug: entries= 0
Debug: Bookmarks::buildMenu 0
Debug: void UI::bandChanged(int, int) : previousBand, newBand = 3 , 3
Debug: void UI::bandChanged(int, int) : band.getFilter = 3
Debug: void UI::modeChanged(int, int) : previousMode, newMode 0 , 0
Debug: void UI::modeChanged(int, int) : band.getFilter = 3
Debug: void UI::modeChanged(int, int) : 999: value of band.getFilter before
filters.selectFilters has been called = 3
Debug: void Filters::selectFilters(FiltersBase*) : Connecting to UI::filtersChanged.
currentFilters = 3
Debug: void UI::filtersChanged(FiltersBase*, FiltersBase*) : newFilters->getText,
newFilters->getSelected = "3.3k" , 3
Debug: void UI::filtersChanged(FiltersBase*, FiltersBase*) : band.getFilter = 3
Debug: void UI::filtersChanged(FiltersBase*, FiltersBase*) : 1092 band.getFilter = 3 ,
modeFlag = false
Debug: void UI::filtersChanged(FiltersBase*, FiltersBase*) : Using the value from
band.getFilter = 3
Debug: void UI::filterChanged(int, int) : 1252 previousFilter, newFilter 3 : 3
Debug: Spectrum::setFilter -3450 , -150
Debug: void UI::modeChanged(int, int) : 1043: value of band.getFilter after
filters.selectFilters has been called = 3
Debug: void UI::bandChanged(int, int) : The value of band.getFilter is ... 3
Debug: void UI::bandChanged(int, int) : The value of filters.getFilter is 3
Debug: bandChanged : frequency, newBand = 7162600 , 3
Debug: Band::getBandLimits: 7114600 , 7210600
Debug: gvj value of result is min, max ... 7000000 , 7300000
Debug: Spectrum::setBandLimits: 7000000 , 7300000
LSP roots not found!
roots = 0
a[0] = 1,000000
a[1] = -nan
a[2] = nan
a[3] = -nan
a[4] = nan
a[5] = -nan
a[6] = nan
a[7] = -nan
```

```
a[8] = nan
a[9] = -nan
a[10] = nan
LSP roots not found!
roots = 0
a[0] = 1,000000
a[1] = -nan
a[2] = nan
..... And so on ....

Soundcard List with aplay -L
default
Playback/recording through the PulseAudio sound server
pulse
Playback/recording through the PulseAudio sound server
front:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
Front speakers
rear:CARD=XFi,DEV=0
Creative X-Fi, Surround
Rear speakers
center_lfe:CARD=XFi,DEV=0
Creative X-Fi, Center/LFE
Center and Subwoofer speakers
side:CARD=XFi,DEV=0
Creative X-Fi, Side
Side speakers
surround40:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
4.0 Surround output to Front and Rear speakers
surround41:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
4.1 Surround output to Front, Rear and Subwoofer speakers
surround50:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
5.0 Surround output to Front, Center and Rear speakers
surround51:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
5.1 Surround output to Front, Center, Rear and Subwoofer speakers
surround71:CARD=XFi,DEV=0
Creative X-Fi, Front/WaveIn
7.1 Surround output to Front, Center, Side, Rear and Woofer speakers
iec958:CARD=XFi,DEV=0
Creative X-Fi, IEC958 Non-audio
IEC958 (S/PDIF) Digital Audio Output

cat /proc/asound/cards
0 [XFi ]: SB-XFi - Creative X-Fi
Creative X-Fi 20K2 SB0880
```

Andrea do you have any idea?
73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@...> wrote:
>
> On Fri, Jan 13, 2012 at 8:53 AM, Mario <dh5ym@...> wrote:
> > i also now got the server for HiQSDR compiled and running. I had problems with QT4 on my SDR PC but it worked pretty fine with a Ubuntu driven laptop.
> Please report every bug or problem you get, we can try to solve it.
> Report the distro and the whole configure/make output showing the
> error. We need the broadest case history possible.
>
> > I noticed that the version of QTRadio installed from the PPA archive does not work anymore. I always get connection refused or disconnected. The version i compiled myself works pretty fine. Is there a special reason for that ?
>
> Yes , you are right; the PPA ghpsdr3-exp is compiled from the master
> branch that is lagging behind.
> However we are doing test in order to produce a new master. Maybe in
> the next weekend I could be able to refresh the PPA.
> Note that there is another PPA with the rxtx but this too is not so recent.
>
>
> > At the moment also 192kSpl/s is the maximum adjustable rate from the frontend. Is this a current restriction of ghpsdr ?
> > Anyway it works rather nice. Quisk has some advantages over QtRadio and QtRadio has some advantages as well.
>
> Really it depends from two points: one in QtRadio, that is already
> been removed, but not yet in master branch, and another one in
> dspserver that I removed for early support of Perseus and that we have
> to reintroduce (essentially a rate conversion on audio backend).
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
>

462. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 11:47:09 UTC
From: Andrea Montefusco
Topic: 427 Message: 462

On 01/21/2012 11:21 AM, Hubert wrote:

> the last few days i tested ghpsdr-alex from git with the rxtx-rtp-symm and my HiQSDR.
> System: Debian 64Bit, Gnome, Alsa and Pulseaudio, ghpsdr-alex git from 19. January 2012
> I have found few things here:
> QtRadio runs but no Sound to the Speaker, sometimes on startup
> i hear for a very short time signals.

Hi Hubert,

that ill behaviour seems unrelated to hiqsdr-server because jmonitor is working.
If you have Internet at disposal try first to setup QtRadio alone, using one of several server
available (press key 'L' for the list).
In any case, it is advisable to select pulse in the Receiver->Configure->Audio and leave the RTP
checkbox without tick in order to use the socket option to vehiculate audio/spectrum.
Next, if the defect persists, open pavucontrol and check if the volumes are ok.

> If i end first the dspserver and second the hiqsdr-server with q enter the
> hiqsdr do not switch back and send network packages to the net.
> On a new startup i have to switch off the HiQSDR bevor a new startup
> of hiqsdr-server and dspserver.

Probably you discovered a bug: I have to check it with Sid's hardware though.
Alas at the moment I don't have anymore root/sudo rights on Sid's machine and I cannot check with
tcpdump what is doing. Maybe Sid can check for that.

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

463. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 12:03:58 UTC
From: Andrea Montefusco
Topic: 427 Message: 463

On 01/21/2012 11:21 AM, Hubert wrote:
> If i end first the dspserver and second the hiqsdr-server with q enter the hiqsdr do not switch back and send network packages to the net. On a new startup i have to switch off the HiQSDR bevor a new startup of hiqsdr-server and dspserver.

Just looking to the code it seems that I missed the final deinit call.
So, if you want to experiment a little bit more, please add, into the module
trunk/src/server.ccp
the following line

```
hiqsdr_deinit ();
```

just before the last

```
return 0;
```

compile it with make and retry.
Ciao

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

464. Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 13:33:08 UTC
From: Hubert
Topic: 427 Message: 464

Hello Andrea IW0HDV,
thanks for your quick replay.
First i have take your hiqsdr_deinit (); to the code of server.ccp
now it is all ok. In every condition the hiqsdr run and stop.
I've even closed the server intentionally false, fitted with a restart everything again.

Now i will take QtRadio, i will made some screenshots from QtRadio
and take it here to the Photos section of DG7MGY.

My QtRadio rxtx Linux Audio Settings:
Device: alsa_output.pci-0000_05_00.0.analog-stereo
Sample Rate: 8000
Channels: 1
Encoding: aLaw
Byte Order: LittleEndian
Use RTP: No

With ghpsdr-alex - QtRadio Version master Nov 24 2011 without rxtxbranch all ok.

With Windows QtRadio i have no Problems to connect the Linux dspserver and control HiQSDR
with the signals.

Debug Message of QtRadio rxtx:
Debug: command: "startAudioStream 800 8000 1"
Debug: Connection READ ANSWER
ans length = 36
Debug: Connection READ ANSWER
ans length = 15
Debug: Waterfall::updateWaterfall 985 (985), 149
Warning: Got a buffer underflow!

look like a problem with audio stream?

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, Andrea Montefusco <andrea.montefusco@...> wrote:
>
> On 01/21/2012 11:21 AM, Hubert wrote:
> > If i end first the dspserver and second the hiqsdr-server with q enter the hiqsdr do
not switch back and send network packages to the net. On a new startup i have to switch off
the HiQSDR bevor a new startup of hiqsdr-server and dspserver.
>
> Just looking to the code it seems that I missed the final deinit call.
> So, if you want to experiment a little bit more, please add, into the module
trunk/src/server.ccp
> the following line
>

```
> hiqsdr_deinit ();
>
> just before the last
>
> return 0;
>
> compile it with make and retry.
> Ciao
>
> *am*
>
> ----------------------------------------------------------
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ----------------------------------------------------------
>
```

465. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 16:42:08 UTC
From: Andrea Montefusco
Topic: 427 Message: 465

On 01/21/2012 02:33 PM, Hubert wrote:
> First i have take your hiqsdr_deinit (); to the code of server.ccp
> now it is all ok. In every condition the hiqsdr run and stop.
> I've even closed the server intentionally false, fitted with a restart everything again.

Ok, thanks to to try; I will push the change to GitHub repository.

> look like a problem with audio stream?

Mmm, I think think it is a local issue; because I test several release of QtRadio, try to delete
the QtRadio configuration file and restart it.
From your trace it seems that QtRadio is selecting the wrong device.
Another thing to check are the volumes of different channels with alsamixer.

If you install TeamViewer, I can connect from remote and try to understand what is going wrong with
your audio.

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

466. Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 17:09:55 UTC
From: Hubert
Topic: 427 Message: 466

Hello Andrea IW0HDV,
yes it is a local problem between stream/qtradio and soundsystem.

I have deleted the configuration, that was one of the first things that i have done. Same as before, also i have checked the alsamixer.

One thing i have changes my alsa-base.conf like this:
Load sounddriver options sorted by Huber
options First XFi Titanium, Second CTX935 DVB-T, Third USB-Audio (FA-Interface,Logitech Cam)
options snd-ctxfi id=XFi index=0
options saa7134-alsa model=auto index=1
options snd-usb-audio index=2,3 vid=0x08bb,0x046d pid=0x2902,0x08d9

My sound modules from lsmod:
lsmod | grep snd
snd_ctxfi 82660 4
snd_pcm_oss 41081 0
snd_mixer_oss 17916 1 snd_pcm_oss
snd_pcm 63744 4 snd_ctxfi,snd_pcm_oss
snd_seq_midi 12848 0
snd_rawmidi 23060 1 snd_seq_midi
snd_seq_midi_event 13316 1 snd_seq_midi
snd_seq 45093 2 snd_seq_midi,snd_seq_midi_event
snd_timer 22917 2 snd_pcm,snd_seq
snd_seq_device 13176 3 snd_seq_midi,snd_rawmidi,snd_seq
snd 52798 14
snd_ctxfi,snd_pcm_oss,snd_mixer_oss,snd_pcm,snd_rawmidi,snd_seq,snd_timer,snd_seq_device
soundcore 13065 1 snd
snd_page_alloc 13003 2 snd_ctxfi,snd_pcm

I have take som Pictures to my Photo Directory.
Now i will work to teamviewer, or du you have an x2go-client?

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, Andrea Montefusco <andrea.montefusco@...> wrote:
>
> On 01/21/2012 02:33 PM, Hubert wrote:
> > First i have take your hiqsdr_deinit (); to the code of server.ccp
> > now it is all ok. In every condition the hiqsdr run and stop.
> > I've even closed the server intentionally false, fitted with a restart everything again.
>
> Ok, thanks to to try; I will push the change to GitHub repository.
>

>
> > look like a problem with audio stream?
>
> Mmm, I think think it is a local issue; because I test several release of QtRadio, try to delete
> the QtRadio configuration file and restart it.
> From your trace it seems that QtRadio is selecting the wrong device.
> Another thing to check are the volumes of different channels with alsamixer.
>
> If you install TeamViewer, I can connect from remote and try to understand what is going wrong with
> your audio.
>
> *am*
>
> ---
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ---
>

467. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 22:25:16 UTC
From: Sid Boyce
Topic: 427 Message: 467

I had it playing on the LAN using RTP for about 20 minutes after
building and installing, then it fell silent.
Made the change below, recompiled and started hiqsdr-server and dspserver.

Qt Radio is still silent.

I had the same happen yesterday after I rebuilt everything and ran
QtRadio from a different box on the LAN to the one I used this time.

As usual it's fine on my Android phone and I dear say for others
accessing it over the internet.
73 ... Sid.

On 21/01/12 12:03, Andrea Montefusco wrote:
>
> On 01/21/2012 11:21 AM, Hubert wrote:
> > If i end first the dspserver and second the hiqsdr-server with q
> enter the hiqsdr do not switch back and send network packages to the
> net. On a new startup i have to switch off the HiQSDR bevor a new
> startup of hiqsdr-server and dspserver.
>
> Just looking to the code it seems that I missed the final deinit call.
> So, if you want to experiment a little bit more, please add, into the
> module trunk/src/server.ccp
> the following line
>
> hiqsdr_deinit ();
>
> just before the last
>
> return 0;
>
> compile it with make and retry.
> Ciao
>
> *am*
>
> --
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> --
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,

Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

468. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 22:27:10 UTC
From: Sid Boyce
Topic: 427 Message: 468

I am using the rxtx-rtp-symm branch.
73 ... Sid.

On 21/01/12 13:33, Hubert wrote:
>
> Hello Andrea IW0HDV,
> thanks for your quick replay.
> First i have take your hiqsdr_deinit (); to the code of server.ccp
> now it is all ok. In every condition the hiqsdr run and stop.
> I've even closed the server intentionally false, fitted with a restart
> everything again.
>
> Now i will take QtRadio, i will made some screenshots from QtRadio
> and take it here to the Photos section of DG7MGY.
>
> My QtRadio rxtx Linux Audio Settings:
> Device: alsa_output.pci-0000_05_00.0.analog-stereo
> Sample Rate: 8000
> Channels: 1
> Encoding: aLaw
> Byte Order: LittleEndian
> Use RTP: No
>
> With ghpsdr-alex - QtRadio Version master Nov 24 2011 without
> rxtxbranch all ok.
>
> With Windows QtRadio i have no Problems to connect the Linux dspserver
> and control HiQSDR with the signals.
>
> Debug Message of QtRadio rxtx:
> Debug: command: "startAudioStream 800 8000 1"
> Debug: Connection READ ANSWER
> ans length = 36
> Debug: Connection READ ANSWER
> ans length = 15
> Debug: Waterfall::updateWaterfall 985 (985), 149
> Warning: Got a buffer underflow!
>
> look like a problem with audio stream?
>
> 73 de DG7MGY Hubert
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Andrea Montefusco <andrea.montefusco@...> wrote:
> >

> > On 01/21/2012 11:21 AM, Hubert wrote:
> > > If i end first the dspserver and second the hiqsdr-server with q
> enter the hiqsdr do not switch back and send network packages to the
> net. On a new startup i have to switch off the HiQSDR bevor a new
> startup of hiqsdr-server and dspserver.
> >
> > Just looking to the code it seems that I missed the final deinit call.
> > So, if you want to experiment a little bit more, please add, into
> the module trunk/src/server.ccp
> > the following line
> >
> > hiqsdr_deinit ();
> >
> > just before the last
> >
> > return 0;
> >
> > compile it with make and retry.
> > Ciao
> >
> > *am*
> >
> > ----------
> > Andrea Montefusco iw0hdv http://www.montefusco.com
> > tel: +393356992791 fax: +390623318709
> > ----------
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

469. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-01-21 22:37:12 UTC
From: Sid Boyce
Topic: 427 Message: 469

No luck by removing the config file.
It's a local issue though I can't figure why it happened suddenly on
openSUSE, Kubuntu and Ubuntu.

I think I shall try master, then rxtx-event to see if that makes a
difference.
73 ... Sid.

On 21/01/12 16:42, Andrea Montefusco wrote:
>
> On 01/21/2012 02:33 PM, Hubert wrote:
> > First i have take your hiqsdr_deinit (); to the code of server.ccp
> > now it is all ok. In every condition the hiqsdr run and stop.
> > I've even closed the server intentionally false, fitted with a
> restart everything again.
>
> Ok, thanks to to try; I will push the change to GitHub repository.
>
> > look like a problem with audio stream?
>
> Mmm, I think think it is a local issue; because I test several release
> of QtRadio, try to delete
> the QtRadio configuration file and restart it.
> From your trace it seems that QtRadio is selecting the wrong device.
> Another thing to check are the volumes of different channels with
> alsamixer.
>
> If you install TeamViewer, I can connect from remote and try to
> understand what is going wrong with
> your audio.
>
> *am*
>
> ---
> Andrea Montefusco iw0hdv http://www.montefusco.com
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> ---
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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470. FPGA V. 1.2

Yahoo group: n2adr-sdr
Date: 2012-01-22 10:14:49 UTC
From: Mario
Topic: 470 Message: 470

Hi all,

Jim informed me that he released FPGA version 1.2:

"...
A new firmware version 1.2 is now available. This version includes support for wider transmission bandwidths up to 22 kHz for wider FM and for DRM. There
is also a new "Qs" command that returns the hardware status as the same string used by the "St" command. There is no need to upgrade unless you need to
transmit FM, or you wish to query the hardware with the "Qs" command (for example by Hamlib).
..."

And as far i understood he also added a network analyzer function.
I will have a look and add this to the API document. But it may take some days.

regards
Mario

471. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2012-01-25 14:43:14 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 471

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /DB1CC HiQSdr/HiQSDR Preselector/HiQSDR_Presel_CircuitDiagram_V25.pdf
Uploaded by : helmutgoebkes <hgoebkes@...>
Description : HiQSDR Preselector Circuit V2.5 (without bandfilter modules)

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/DB1CC%20HiQSdr/HiQSDR%20Preselector/HiQSDR_Presel_CircuitDiagram_V25.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

helmutgoebkes <hgoebkes@...>

472. HiQSDR Preselector Board PCB

Yahoo group: n2adr-sdr
Date: 2012-01-25 15:06:38 UTC
From: Helmut Goebkes
Topic: 472 Message: 472

Hi Group,

i uploaded the actual PCB Artwork of the HiQSDR Preselector / Driver board into the file area (HiQSDR, Preselector).
The circuit diagram has changed also to reflect the wishes and technical request from several group users.
Following mayor changes are made (and a lot of minor ones):

The Driver 1W-PA module is pin/function compatible to the widely used
1W-module from DL2EWN, availalbe from FUNKAMATEUR magazine.
Additionally, (i had some space on the board free ;-)
i spent this space for a 10W-PA-Module which is coming soon for the
board. This 10W-Linear Broadband PA can be installed instead
the 1W-Module (not additionally!).
To fit the thermal needs of this 10W-Module, a thermal heatsink can be mounted to the chassis thru the board.
All control electronics & power switching is contained to supply the 1W or 10W-PA module and to connect it directly to a antenna.
A aditional connector holds the signals from the 10W-PA
(Forward power, return power, ALC, Power control Signals)
for external display / control board or external High-Power PA

Preselektor board is fully supplied from 12V DC.

Optional, a low-noise switching regulator for 6.5V, 1Amp can be
placed on the Board to supply the HiQSDR-board. This Option has to be checked not to inject noise into the signal path- this checks can only be made with the prototype PCB in a few days..

All signals coming from FPGA (HiQSDR) are buffered & filtered.
Also filterd all signals going out from Presel-board.

the Board is made from a 4-Layer Multilayer Board, same Quality as HiSDR. Prototype board is ordered and avised wthin 10 days...

I keep you informed!

73!
Helmut, DB1CC

473. Re: [n2adr-sdr] HiQSDR Preselector Board PCB

Yahoo group: n2adr-sdr
Date: 2012-01-25 16:08:17 UTC
From: Sid Boyce
Topic: 472 Message: 473

Excellent news Helmut,
Will the Preselector be offered as a built-up unit?
73 ... Sid.

On 25/01/12 15:06, Helmut Goebkes wrote:
>
> Hi Group,
>
> i uploaded the actual PCB Artwork of the HiQSDR Preselector / Driver
> board into the file area (HiQSDR, Preselector).
> The circuit diagram has changed also to reflect the wishes and
> technical request from several group users.
> Following mayor changes are made (and a lot of minor ones):
>
> The Driver 1W-PA module is pin/function compatible to the widely used
> 1W-module from DL2EWN, availalbe from FUNKAMATEUR magazine.
> Additionally, (i had some space on the board free ;-)
> i spent this space for a 10W-PA-Module which is coming soon for the
> board. This 10W-Linear Broadband PA can be installed instead
> the 1W-Module (not additionally!).
> To fit the thermal needs of this 10W-Module, a thermal heatsink can be
> mounted to the chassis thru the board.
> All control electronics & power switching is contained to supply the
> 1W or 10W-PA module and to connect it directly to a antenna.
> A aditional connector holds the signals from the 10W-PA
> (Forward power, return power, ALC, Power control Signals)
> for external display / control board or external High-Power PA
>
> Preselektor board is fully supplied from 12V DC.
>
> Optional, a low-noise switching regulator for 6.5V, 1Amp can be
> placed on the Board to supply the HiQSDR-board. This Option has to be
> checked not to inject noise into the signal path- this checks can only
> be made with the prototype PCB in a few days..
>
> All signals coming from FPGA (HiQSDR) are buffered & filtered.
> Also filterd all signals going out from Presel-board.
>
> the Board is made from a 4-Layer Multilayer Board, same Quality as
> HiSDR. Prototype board is ordered and avised wthin 10 days...
>
> I keep you informed!
>
> 73!
> Helmut, DB1CC

>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

474. Re: HiQSDR Preselector Board PCB

Yahoo group: n2adr-sdr
Date: 2012-01-25 19:03:02 UTC
From: Helmut Goebkes
Topic: 472 Message: 474

Hi Sid,

> Will the Preselector be offered as a built-up unit?
> 73 ... Sid.

Yes , i will offer the Preselector same wasy as HiQSDR, as PCB alone,
as Part Kit and as complete built and tested because many OMs are not able or willing ;-)
to solder many 0603 SMT parts.

The only drawback are the lot of core coils which have to be built,
currently i did not find a professional manufacturer for the coils -
but i am looking for one who is willing to wind all the coils for us ;-)
The BP-Modules are sold separately so every one can decide what he needs.

btw Sid, thank you and Andrea for your super work with QTRadio!
I uses this beautiful Software last week every day (on your site mostly!) - this is a
perfect fit for HiQSDR!
If you need any information or hardware to test, pls feel free to reqrequest for them!
Also Stefan had done a super work for our community with his super HiScope and interfacing
GNUradio - the game has just begun... ;-)

73!
Helmut, DB1CC

475. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2012-01-25 20:36:01 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 475

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /WB4JFI/Quisk_filtermods/Quisk3.5.11_Filter/filter_3.5.11_quisk.py
Uploaded by : wb4jfi <wb4jfi@...>
Description : 3.5.11 quisk.py file with filter mods

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/WB4JFI/Quisk_filtermods/Quisk3.5.11_Filter/filter_3.5.11_quisk.py

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

wb4jfi <wb4jfi@...>

476. Quisk 3.5.11 filter mods

Yahoo group: n2adr-sdr
Date: 2012-01-25 20:40:49 UTC
From: wb4jfi
Topic: 476 Message: 476

I just uploaded the quisk.py and quisk default config py files that I modified to add the demod bandpass filter shadow.

I have a little less confidence in these than the past, it seems that Jim did some work nearby one of my changes. If someone that is interested could test them out, I would appreciate it. I only check my mods with a Charleston SDR Receiver each time, as I keep that hardware hooked up to the Linux box that I use to make mods.

There is also a text file describing the changes (as usual).
tnx & 73s
Terry, WB4JFI

477. Re: [n2adr-sdr] Re: HiQSDR Preselector Board PCB

Yahoo group: n2adr-sdr
Date: 2012-01-25 22:27:01 UTC
From: Sid Boyce
Topic: 472 Message: 477

Thanks helmut,
The Preselector is quite a large project and hope you find a
manufacturer for the coils. Otherwise a part kit with builders winding
their own is one way to go.

Perhaps what spurred Andrea on was the fact that he owns HPSDR and
Perseus and with the information in quisk and Mario's document it seemed
HiQSDR support was easily possible.
73 ... Sid.

On 25/01/12 19:03, Helmut Goebkes wrote:
>
> Hi Sid,
>
> > Will the Preselector be offered as a built-up unit?
> > 73 ... Sid.
>
> Yes , i will offer the Preselector same wasy as HiQSDR, as PCB alone,
> as Part Kit and as complete built and tested because many OMs are not
> able or willing ;-) to solder many 0603 SMT parts.
>
> The only drawback are the lot of core coils which have to be built,
> currently i did not find a professional manufacturer for the coils -
> but i am looking for one who is willing to wind all the coils for us ;-)
> The BP-Modules are sold separately so every one can decide what he needs.
>
> btw Sid, thank you and Andrea for your super work with QTRadio!
> I uses this beautiful Software last week every day (on your site
> mostly!) - this is a perfect fit for HiQSDR!
> If you need any information or hardware to test, pls feel free to
> reqrequest for them!
> Also Stefan had done a super work for our community with his super
> HiScope and interfacing GNUradio - the game has just begun... ;-)
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

478. HiQSDR universal bandfilter module

Yahoo group: n2adr-sdr
Date: 2012-01-27 08:48:28 UTC
From: Helmut Goebkes
Topic: 478 Message: 478

Hi Group,

i added the circuit & PCB artwork for the universal Bandfilter module
for HiQSDR Preselector to the file area.
The circuit is designed for universal use, that means that we can realise many different filters with several poles on this module.
This keeps the cost low and allows easy modification or
new filter designs easily.
To be flexible and allow fine adjustment to keep tolerances low,
all capacitors are layouted twice. With this we can built capacitors with unusual value by paralleling two.
The minimum electronics is contained on top to select RF routing via
solder bridges and to show the active selectionof module with a LED.

the exact values and positions of parts for all Bands are published in a few days after verification with the prototypes.

best regards & 73

Helmut, DB1CC

479. HiQSDR for DRM TX

Yahoo group: n2adr-sdr
Date: 2012-02-04 10:36:32 UTC
From: Mario
Topic: 479 Message: 479

Hi all,

some minutes ago i managed to use the HiQSDR frontend for DRM TX.
I followed DL2STG's guideline for installing Gnuradio and adopted his dual-tone TX test example to transmit a baseband IQ DRM file.
There was just a small IQ swap ;)
The 64QAM MSC constellation diagram looked really clean so far.
I tried ModeA 10kHz bandwith. 20kHz should work as well but i did not try yet.

regards
Mario

480. FPGA Version 1.3

Yahoo group: n2adr-sdr
Date: 2012-02-07 06:45:49 UTC
From: Mario
Topic: 480 Message: 480

Hi all,

Jim is also further working on the FPGA. He released a new version 1.3:

"...
A new firmware version 1.3 is now available. This version fixes a problem with spectrum flatness when sampling at 960 ksps, and adds the special features used by the Quisk VNA program. The VNA program "quisk_vna.py" enables the hardware to be used as a vector network analyzer, and it requires this firmware or above.
..."

As far as i understood quisk_vna.py is not completely finished yet but will be updated soon.

regards
Mario

482. Re: problem with Quisk on Windows-7

Yahoo group: n2adr-sdr
Date: 2012-02-10 19:44:41 UTC
From: Mario
Topic: 481 Message: 482

Hi Ken,

i assume you are running Quisk under Windows ?
Do you use Win7 or XP ?
I did not try Quisk under Win for a while. In general you should use the quisk_conf_sdriq.py from the quisk base directory and copy it to your user home directory. Then you need to rename it quisk_conf.py.
As alternative you might start quisk from a shell with "quisk -c quisk_conf_sdriq.py". And do not forget to check the content of the configuration file. Probably you need to make changes regarding soundcard and usb interface. I have no clue how to tell Quisk the correct USB port under windows.
In quisk_conf_win.py there are the following hints:
If you use an SDR-IQ for capture, first install the SpectraView software
that came with the SDR-IQ. This will install the USB driver. Then set these parameters:
import quisk_hardware_sdriq as quisk_hardware # Use different hardware file
use_sdriq = 1 # Capture device is the SDR-IQ
sdriq_name = "SDR-IQ" # Name of the SDR-IQ device to open
sdriq_clock = 66666667.0 # actual sample rate (66666667 nominal)
sdriq_decimation = 500 # Must be 360, 500, 600, or 1250
sample_rate = int(float(sdriq_clock) / sdriq_decimation + 0.5) # Don't change this
name_of_sound_capt = "" # We do not capture from the soundcard
playback_rate = 48000 # Radio sound play rate, default 48000
display_fraction = 0.85 # The edges of the full bandwidth are not valid

Hope that helps so far. I fear most of the people here do not have a SDRIQ because its a bit focused on the FPGA based frontend from Jim.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Ken N9VV" <n9vv@...> wrote:
>
> Hi, I have a new SDR-IQ receiver and I was very happy to see that Quisk now supports the SDR-IQ.
>
> However I am very confused about what quisk_conf.py file to put into my Documents folder.
>
> There is a total discrepancy between the Windows suggestion/example in the original installed quisk_conf.py file and the quisk_conf_sdriq.py example from the installation into Py 2.7/lib
>
> There is a file missing:
> import quisk_hardware_sdriq as quisk_hardware does not exist on my system.
>
> What file do you copy from PY2.7/lib... into Documents as the quisk_conf.py file? or what modifications do you make?

>
> thank you very much for your help,
> 73 de Ken N9VV
>

483. Re: problem with Quisk on Windows-7

Yahoo group: n2adr-sdr
Date: 2012-02-10 19:47:45 UTC
From: Mario
Topic: 481 Message: 483

Funny, i did not read the subject line ;)
Sorry for that. Hopefully the comments in the last post are helpful.

485. Re: [n2adr-sdr] Re: problem with Quisk on Windows-7

Yahoo group: n2adr-sdr
Date: 2012-02-10 22:00:29 UTC
From: Kaj Wiik
Topic: 481 Message: 485

On Fri, Feb 10, 2012 at 10:49 PM, Ken N9VV <n9vv@...> wrote:

> The SDR-IQ is a product from RFSpace Corporation
> http://www.rfspace.com/RFSPACE/SDR-IQ.html
> that uses NO FPGA. It is a chip based receiver is Direct Down Conversion
> with a very straightforward design. I am enjoying it's simplicity. It
> has great sensitivity, stability, and loads of
> fun software to play with. There is an active community with
> OpenSource and RFSpace is also selling high-end DDC Rx units
> like the NetSDR and SDR-IP.

I haven't been very impressed in SDR-IQ, it is basically a black-box
commercial design offering not much to learn about SDR. Being
developed around an obsoleted chip without any way to improve and
develop, it is a gadget for a wealthy appliance amateur, certainly not
for an experimenter.

> The President of RFSpace, Pieter Ibeling N4IP, has posted some
> very exciting Radio Astronomy results.
Which are? Come on, you must be joking...

Is this a some sort of 'cleverly' hidden commercial or what? Get real!
I find the open hardware and software described by N2ADR way more
interesting and educating that anything RF Space have ever produced.
And it is FREE to LEARN!

Cheers,
Kaj OH6EH

486. Re: problem with Quisk on Windows-7

Yahoo group: n2adr-sdr
Date: 2012-02-10 22:26:38 UTC
From: wb4jfi
Topic: 481 Message: 486

Kaj:
For the money, the SDR-IQ is a pretty good device. Granted that it uses a 14-bit A/D, and uses a dedicated DDC chip (AD6620), so it's not the front-runner for SDR hardware. But, for the money (less than half QS1R, much cheaper than Ozy/Merury/etc), it does a nice job. Yes, you don't need to burn your fingers to get it running, but that is always an option with ANY hardware, based on your competence.

BTW, the N2ADR SDR hardware is also only an 14-bit A/D. There are definately advantages to the N2ADR board over the SDR-IQ, but at what cost?

James must have had an SDR-IQ at one point, as he has had SDR-IQ support built into Quisk for several versions back. If it's been good enough for him, I'm OK with it.

I used my SDR-IQ with Quisk (both Linux AND Windows versions) to help me write the Quisk drivers for the Charleston SDR Receiver. Was that not learning about SDRs?

These days, the hardware is often just the price of admission to joining the SDR SOFTWARE generation. Having a decent black box that you can rely on as a "test bench" for software is a very handy part of the development process.

I have SoftRocks, SDR-IQ, Ozy/Mercury/Penelope/Atlas, Flex-1500, Flex SDR1000, Charleston Receiver, SDR-Cube, SDR-Widget, SDR2GO, and am collecting parts to build the Gerd N2ADR SDR board. Plus, an Elecraft K3, Icom IC-720, PCR-1000, PCR-100, and RX320. These all have advantages and disadvantages. I do NOT use only one of them.

Have you actually used an SDR-IQ, or just looked at the specs to develop your dismissal?

I find that the N2ADR hardware costs significantly more than the SDR-IQ, and is difficult for the average amateur to build, if you want to follow that option. Yet, I am not quick to dismiss it, in fact it is my next big project.

And NO, this is NOT a commercial for ANY manufacturer (as you can see from the above list). Some of us actually use several of these devices, can compare them, and not slight or dismiss any of them out of hand. Sorry. And, I DID get real!

To each his/her own.
73s
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, Kaj Wiik <kaj.wiik@...> wrote:
>
> On Fri, Feb 10, 2012 at 10:49 PM, Ken N9VV <n9vv@...> wrote:
>
> > The SDR-IQ is a product from RFSpace Corporation
> > http://www.rfspace.com/RFSPACE/SDR-IQ.html
> > that uses NO FPGA. It is a chip based receiver is Direct Down Conversion
> > with a very straightforward design. I am enjoying it's simplicity. It

> > has great sensitivity, stability, and loads of
> > fun software to play with. There is an active community with
> > OpenSource and RFSpace is also selling high-end DDC Rx units
> > like the NetSDR and SDR-IP.
>
> I haven't been very impressed in SDR-IQ, it is basically a black-box
> commercial design offering not much to learn about SDR. Being
> developed around an obsoleted chip without any way to improve and
> develop, it is a gadget for a wealthy appliance amateur, certainly not
> for an experimenter.
>
> > The President of RFSpace, Pieter Ibeling N4IP, has posted some
> > very exciting Radio Astronomy results.
> Which are? Come on, you must be joking...
>
> Is this a some sort of 'cleverly' hidden commercial or what? Get real!
> I find the open hardware and software described by N2ADR way more
> interesting and educating that anything RF Space have ever produced.
> And it is FREE to LEARN!
>
> Cheers,
> Kaj OH6EH
>

487. Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-14 06:15:56 UTC
From: Mario
Topic: 487 Message: 487

```
Quisk Version 3.5.12 February 2012
==================================
There are no changes to Quisk, but this version includes the new Quisk VNA program
that enables you to use my original transceiver hardware and the newer HiQSDR
hardware as a vector network analyzer. Use "python quisk_vna.py" to run it.
```

488. Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-14 09:38:42 UTC
From: dl2stg
Topic: 487 Message: 488

There is also a update for the HiQScope-FPGA extension:
http://dl2stg.de/stefan/hiqsdr/files/fpga_ver3-sg1.1.tgz.

Please use only this version, the older one has a little bug and makes a delay before the vna work.

73

Stefan

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Quisk Version 3.5.12 February 2012
> ==================================
> There are no changes to Quisk, but this version includes the new Quisk VNA program
> that enables you to use my original transceiver hardware and the newer HiQSDR
> hardware as a vector network analyzer. Use "python quisk_vna.py" to run it.
>

489. Re: [n2adr-sdr] Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-14 14:52:38 UTC
From: Sid Boyce
Topic: 487 Message: 489

I updated yesterday, so far only tested RX with qsdr and remote
operation from my Android phone using aHPSDR to connect to dspserver
-->hiqsdr-server of the ghpsdr3-alex project.
73 ... Sid.

On 14/02/12 09:38, dl2stg wrote:
>
> There is also a update for the HiQScope-FPGA extension:
> http://dl2stg.de/stefan/hiqsdr/files/fpga_ver3-sg1.1.tgz.
>
> Please use only this version, the older one has a little bug and makes
> a delay before the vna work.
>
> 73
>
> Stefan
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Mario" <dh5ym@...> wrote:
> >
> > Quisk Version 3.5.12 February 2012
> > ==================================
> > There are no changes to Quisk, but this version includes the new
> Quisk VNA program
> > that enables you to use my original transceiver hardware and the
> newer HiQSDR
> > hardware as a vector network analyzer. Use "python quisk_vna.py" to
> run it.
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

491. Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 13:53:58 UTC
From: Helmut Goebkes
Topic: 487 Message: 491

Hi Jim, Stefan, Sid, Group,

i updated the Firmware of all HiQSDR on stock to deliver
the HiQSDR with actual FW to users.
Works all very fine and without problems!
Thanks again to all active members of the group!
Jims VNA Proggi works fine too and shows the
tremendous possibilities of the N2ADR / HiQSDR concept!

Some days before i jumped very deep into Linux- a hard work for me
as experienced Windows freak ;-) I get my eyes wide open to see how perfect linux works
nowadays - not the pure geek tool as i remembered
it as i tested Linux years ago. Only "Unity" in my opinion is a step backwards.
I am frankly to say that i am up to changing my main interest to Linux.....(it's better to
jump into the arms of a penguin than
out from a open window... (giggle))

As a startup i installed (with the help of Hubi, DG7MGY) QTRadio
and it works with all servers from the first time on with HiQSDR.
Currently i set up a small system (Zotac ITX-MB, 2 x 1.8GHz Intel Core, 4GB Ram, 60MB SSD)
with Ubuntu 11.10 and QTRadio servers to place
this with an attached HiQSDR (and probably Preselector/PA) to WWW.

This setup qwill be available as remote station with QTRadio clients.

Installing GNUradio fails due to missing libry items, but
Hubi (DG7MGY)is lurking the reason for that....

btw: Preselector Boards & Filter Modules arrived some days before,
(4-Layer PCB, goldplated, looks verrry nice...)
Currently i am building the protoypes. @ Weekend i make photos and place them in the group
file area.

73!
Helmut, DB1CC

492. Re: [n2adr-sdr] Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 15:04:37 UTC
From: Sid Boyce
Topic: 487 Message: 492

Thanks for the update Helmut.
Updated to fpga_ver3 a few days ago.

I have one problem with ghpsdr3-alex that's not a HiQSDR problem. I just cannot get sound from any server using QtRadio from the master or rxtx-rtp-symm branch. The problem seemed to start with either the rxtx-symm or rxtx-rtp-symm branches so I'm backtracking to try and pin it down.

Yesterday I went back to the rxtx-event branch and that QtRadio works fine. Master branch hiqsdr-server/dspserver and rxtx-event branch QtRadio combination currently working.
73 ... Sid.

On 16/02/12 13:53, Helmut Goebkes wrote:
>
> Hi Jim, Stefan, Sid, Group,
>
> i updated the Firmware of all HiQSDR on stock to deliver
> the HiQSDR with actual FW to users.
> Works all very fine and without problems!
> Thanks again to all active members of the group!
> Jims VNA Proggi works fine too and shows the
> tremendous possibilities of the N2ADR / HiQSDR concept!
>
> Some days before i jumped very deep into Linux- a hard work for me
> as experienced Windows freak ;-) I get my eyes wide open to see how
> perfect linux works nowadays - not the pure geek tool as i remembered
> it as i tested Linux years ago. Only "Unity" in my opinion is a step
> backwards.
> I am frankly to say that i am up to changing my main interest to
> Linux.....(it's better to jump into the arms of a penguin than
> out from a open window... (giggle))
>
> As a startup i installed (with the help of Hubi, DG7MGY) QTRadio
> and it works with all servers from the first time on with HiQSDR.
> Currently i set up a small system (Zotac ITX-MB, 2 x 1.8GHz Intel
> Core, 4GB Ram, 60MB SSD) with Ubuntu 11.10 and QTRadio servers to place
> this with an attached HiQSDR (and probably Preselector/PA) to WWW.
>
> This setup qwill be available as remote station with QTRadio clients.
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> Installing GNUradio fails due to missing libry items, but
> Hubi (DG7MGY)is lurking the reason for that....
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> btw: Preselector Boards & Filter Modules arrived some days before,

> (4-Layer PCB, goldplated, looks verrry nice...)
> Currently i am building the protoypes. @ Weekend i make photos and
> place them in the group file area.
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> 73!
> Helmut, DB1CC
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>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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493. Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 15:56:14 UTC
From: Helmut Goebkes
Topic: 487 Message: 493

Hi Sid,

I tried you accessible hiQSDRseveral times, it works most the time without problems. I am sure that - with your experience - you will solve the problems with sound.

what is the symm branch? Is this the "unified" alex file branch??

73!
Helmut, DB1CC

494. Re: [n2adr-sdr] Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 17:17:06 UTC
From: Sid Boyce
Topic: 487 Message: 494

It is the recently unified branch but in QtRadio it shows up as
rxtx-rtp-symm.
I shall use "git bisect" and hopefully find out where exactly the
problem code was introduced.
73 ... Sid.

On 16/02/12 15:56, Helmut Goebkes wrote:
>
> Hi Sid,
>
> I tried you accessible hiQSDRseveral times, it works most the time
> without problems. I am sure that - with your experience - you will
> solve the problems with sound.
>
> what is the symm branch? Is this the "unified" alex file branch??
>
> 73!
> Helmut, DB1CC
>
>

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495. Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 17:50:35 UTC
From: Hubert
Topic: 487 Message: 495

Hello Sid,
i have the same problem too with audio and QtRadio.
I have take out all my Soundcards, reinstalled alsa and pulseaudio...
No success, i have installed the same ghpsdr3-alex code from git on Helmut's Ubuntu system and all works well.

The difference between Helmuts and my system are Helmut use Ubuntu 32bit and my system was debian 64bit.
My opinion the 64bit soundsystem of pulseaudio was buggy.

Sid do you use also a 64bit system ?
I have writen with Andrea IW0HDV and he would check his QtRadio code.

Resume if you want to run the newest hamradio software use a 32bit system. ;-(

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Thanks for the update Helmut.
> Updated to fpga_ver3 a few days ago.
>
> I have one problem with ghpsdr3-alex that's not a HiQSDR problem. I just
> cannot get sound from any server using QtRadio from the master or
> rxtx-rtp-symm branch. The problem seemed to start with either the
> rxtx-symm or rxtx-rtp-symm branches so I'm backtracking to try and pin
> it down.
>
> Yesterday I went back to the rxtx-event branch and that QtRadio works fine.
> Master branch hiqsdr-server/dspserver and rxtx-event branch QtRadio
> combination currently working.
> 73 ... Sid.
>
> On 16/02/12 13:53, Helmut Goebkes wrote:
> >
> > Hi Jim, Stefan, Sid, Group,
> >
> > i updated the Firmware of all HiQSDR on stock to deliver
> > the HiQSDR with actual FW to users.
> > Works all very fine and without problems!
> > Thanks again to all active members of the group!
> > Jims VNA Proggi works fine too and shows the
> > tremendous possibilities of the N2ADR / HiQSDR concept!
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> > perfect linux works nowadays - not the pure geek tool as i remembered
> > it as i tested Linux years ago. Only "Unity" in my opinion is a step
> > backwards.
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> > Linux.....(it's better to jump into the arms of a penguin than
> > out from a open window... (giggle))
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> > As a startup i installed (with the help of Hubi, DG7MGY) QTRadio
> > and it works with all servers from the first time on with HiQSDR.
> > Currently i set up a small system (Zotac ITX-MB, 2 x 1.8GHz Intel
> > Core, 4GB Ram, 60MB SSD) with Ubuntu 11.10 and QTRadio servers to place
> > this with an attached HiQSDR (and probably Preselector/PA) to WWW.
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>

496. Re: [n2adr-sdr] Re: Quisk 3.5.12

Yahoo group: n2adr-sdr
Date: 2012-02-16 20:08:18 UTC
From: Sid Boyce
Topic: 487 Message: 496

I saw the suggestion that 32-bit runs OK and it may be a 64-bit problem.

Sound works OK for an other application including non-SDR.
For SDR quisk, qsdr, fldigi, Linrad, etc., etc. all work.

Everything was working fine on openSUSE, Ubuntu and Kubuntu, all 64-bit
with 1 Ubuntu 12.04 box, 2 Kubuntu 11.10 boxes and 2 openSUSE 12.2
Milestone 1 boxes up to some way into the introduction of rxtx-rtp-symm
when all of them gave no audio output at the same time.

It would seem there is a problem in the code that doesn't affect 32-bit,
just a question of finding the commit that caused it. It may be a long
search but it has to be found.
I wish I had paid more attention to it then as it would have been easy
to identify the bad commit.
73 ... Sid.

Then came
On 16/02/12 17:50, Hubert wrote:
>
> Hello Sid,
> i have the same problem too with audio and QtRadio.
> I have take out all my Soundcards, reinstalled alsa and pulseaudio...
> No success, i have installed the same ghpsdr3-alex code from git on
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> I have writen with Andrea IW0HDV and he would check his QtRadio code.
>
> Resume if you want to run the newest hamradio software use a 32bit
> system. ;-(
>
> 73 de DG7MGY Hubert
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks for the update Helmut.
> > Updated to fpga_ver3 a few days ago.
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> > I have one problem with ghpsdr3-alex that's not a HiQSDR problem. I
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> > cannot get sound from any server using QtRadio from the master or
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> > > Hi Jim, Stefan, Sid, Group,
> > >
> > > i updated the Firmware of all HiQSDR on stock to deliver
> > > the HiQSDR with actual FW to users.
> > > Works all very fine and without problems!
> > > Thanks again to all active members of the group!
> > > Jims VNA Proggi works fine too and shows the
> > > tremendous possibilities of the N2ADR / HiQSDR concept!
> > >
> > > Some days before i jumped very deep into Linux- a hard work for me
> > > as experienced Windows freak ;-) I get my eyes wide open to see how
> > > perfect linux works nowadays - not the pure geek tool as i remembered
> > > it as i tested Linux years ago. Only "Unity" in my opinion is a step
> > > backwards.
> > > I am frankly to say that i am up to changing my main interest to
> > > Linux.....(it's better to jump into the arms of a penguin than
> > > out from a open window... (giggle))
> > >
> > > As a startup i installed (with the help of Hubi, DG7MGY) QTRadio
> > > and it works with all servers from the first time on with HiQSDR.
> > > Currently i set up a small system (Zotac ITX-MB, 2 x 1.8GHz Intel
> > > Core, 4GB Ram, 60MB SSD) with Ubuntu 11.10 and QTRadio servers to
> place
> > > this with an attached HiQSDR (and probably Preselector/PA) to WWW.
> > >
> > > This setup qwill be available as remote station with QTRadio clients.
> > >
> > > Installing GNUradio fails due to missing libry items, but
> > > Hubi (DG7MGY)is lurking the reason for that....
> > >
> > > btw: Preselector Boards & Filter Modules arrived some days before,
> > > (4-Layer PCB, goldplated, looks verrry nice...)
> > > Currently i am building the protoypes. @ Weekend i make photos and
> > > place them in the group file area.
> > >
> > > 73!
> > > Helmut, DB1CC

> > >
> > >
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

497. QVNA

Yahoo group: n2adr-sdr
Date: 2012-02-21 15:42:56 UTC
From: dl2stg
Topic: 497 Message: 497

Hi all,

for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at:
http://dl2stg.de/stefan/hiqsdr/qvna.html

I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).

73

Stefan, DL2STG

498. Re: [n2adr-sdr] QVNA

Yahoo group: n2adr-sdr
Date: 2012-02-21 16:17:32 UTC
From: Sid Boyce
Topic: 497 Message: 498

It's strange that I always get "Object not found" using firefox but it's
OK in Opera and Google Chrome.
73 ... Sid.

On 21/02/12 15:42, dl2stg wrote:
>
> Hi all,
>
> for better understanding a vector network analyser i try to write a
> software for it. The results (screenshots, src(linux,win) and a
> win32-setup) and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html
>
> I hope it is usefull for someone. Version 0.9.1 is translatable for
> windows and has some bugfixes (sometime invalid sync for small sample
> values).
>
> 73
>
> Stefan, DL2STG
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

499. Re: [n2adr-sdr] QVNA

Yahoo group: n2adr-sdr
Date: 2012-02-21 16:27:24 UTC
From: Ken N9VV
Topic: 497 Message: 499

Great work Stefan, congratulations on bringing such a useful and
interesting new software tool to the HiQSDR.

many thanks,
73 de Ken N9VV

On 02/21/2012 09:42 AM, dl2stg wrote:
> Hi all,
>
> for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at:
http://dl2stg.de/stefan/hiqsdr/qvna.html
>
> I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).
>
> 73
>
> Stefan, DL2STG

500. Re: [n2adr-sdr] QVNA

Yahoo group: n2adr-sdr
Date: 2012-02-21 16:42:42 UTC
From: Sid Boyce
Topic: 497 Message: 500

Great work indeed.
I built it a few minutes ago and I am well impressed already.
73 ... Sid.

On 21/02/12 16:27, Ken N9VV wrote:
>
> Great work Stefan, congratulations on bringing such a useful and
> interesting new software tool to the HiQSDR.
>
> many thanks,
> 73 de Ken N9VV
>
> On 02/21/2012 09:42 AM, dl2stg wrote:
> > Hi all,
> >
> > for better understanding a vector network analyser i try to write a
> software for it. The results (screenshots, src(linux,win) and a
> win32-setup) and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html
> >
> > I hope it is usefull for someone. Version 0.9.1 is translatable for
> windows and has some bugfixes (sometime invalid sync for small sample
> values).
> >
> > 73
> >
> > Stefan, DL2STG
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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501. Re: [n2adr-sdr] QVNA

Yahoo group: n2adr-sdr
Date: 2012-02-21 16:58:43 UTC
From: Kaj Wiik
Topic: 497 Message: 501

On Tue, Feb 21, 2012 at 5:42 PM, dl2stg <yaho1@...> wrote:
>
>
>
> Hi all,
>
> for better understanding a vector network analyser i try to write a
> software for it. The results (screenshots, src(linux,win) and a win32-setup)
> and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html

Very impressive! I think this helps also others to understand VNA
better, thanks to the sources!

Somehow I haven't found your site before, a lot of interesting stuff there.

In fact, I have been thinking whether there would be enough LE and RAM
left in the FPGA to implement a scope-like app also. Now I know :-).

Off-topic: is there a way (in Quartus) to see the amount of LE:s
allocated by an individual module (the total is of course in the final
report)?

Cheers,
Kaj OH6EH

502. quisk patches for a more Pythonic C API

Yahoo group: n2adr-sdr
Date: 2012-02-22 06:23:14 UTC
From: A. Maitland Bottoms
Topic: 502 Message: 502
Attachments: 3 described; binary payloads are missing from this source WARC

Hi,

I've been using quisk for a while, and recently decided to make
Debian packages of it. The current distribution method is a little
fragile and likes to stay where it's compiled.

So I looked into the docs for Python C API extension modules.[1]
That seemed to do the trick. What I got working takes care of
Python versions 2.5.x-2.7.x using the PyCObject method. Naturally
that doesn't work for Python 3.x which uses Capsules[2].
Is anyone using quisk with Python3.x?

I've got a set of three patches[3]:
quisk_c_api - main module exports symbols
sdriq_c_api - client module uses CObjects
charleston_c_api - client module uses CObjects

I've tested all this code and it works fine. But I'm
open to comments and suggestions, and I hope that
this can be rolled into the main quisk source.

73 de aa4hs,
-Maitland

Links:
[1] http://docs.python.org/release/2.6.7/extending/extending.html#providing-a-c-api-for-an-extension-module
[2] http://docs.python.org/extending/extending.html#providing-a-c-api-for-an-extension-module
[3] http://patch-tracker.debian.org/package/quisk/3.5.11-2

patches enclosed:

503. Re: quisk patches for a more Pythonic C API

Yahoo group: n2adr-sdr
Date: 2012-02-24 16:13:15 UTC
From: Mario
Topic: 502 Message: 503

Hi,

many thanks for your work !

Did you already submit your patches to Jim N2ADR ? He does not currently read this list.
Therefore he needs to get the patches via eMail.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "A. Maitland Bottoms" <aa4hs@...> wrote:
>
> Hi,
>
> I've been using quisk for a while, and recently decided to make
> Debian packages of it. The current distribution method is a little
> fragile and likes to stay where it's compiled.
>
> So I looked into the docs for Python C API extension modules.[1]
> That seemed to do the trick. What I got working takes care of
> Python versions 2.5.x-2.7.x using the PyCObject method. Naturally
> that doesn't work for Python 3.x which uses Capsules[2].
> Is anyone using quisk with Python3.x?
>
> I've got a set of three patches[3]:
> quisk_c_api - main module exports symbols
> sdriq_c_api - client module uses CObjects
> charleston_c_api - client module uses CObjects
>
> I've tested all this code and it works fine. But I'm
> open to comments and suggestions, and I hope that
> this can be rolled into the main quisk source.
>
> 73 de aa4hs,
> -Maitland
>
> Links:
> [1] http://docs.python.org/release/2.6.7/extending/extending.html#providing-a-c-api-for-an-extension-module
> [2] http://docs.python.org/extending/extending.html#providing-a-c-api-for-an-extension-module
> [3] http://patch-tracker.debian.org/package/quisk/3.5.11-2
>
> patches enclosed:
>
> --- a/quisk.h

```
> +++ b/quisk.h
> @@ -98,7 +98,9 @@
> int int_filter_interp;
> } ;
>
> +#ifndef SOUND_MODULE
> extern struct sound_conf quisk_sound_state;
> +#endif
> extern int mic_max_display; // display value of maximum microphone signal level
> extern int data_width;
> extern int quisk_using_udp; // is a UDP port used for capture (0 or 1)?
> @@ -120,12 +122,14 @@
> extern PyObject * quisk_micplay_channels(PyObject * , PyObject *);
> extern PyObject * quisk_sound_devices(PyObject * , PyObject *);
>
> +#ifndef UTILITY_MODULE
> extern int QuiskGetConfigInt (const char *, int);
> extern double QuiskGetConfigDouble(const char *, double);
> extern char * QuiskGetConfigString(const char *, char *);
> extern double QuiskTimeSec(void);
> extern void QuiskSleepMicrosec(int);
> extern void QuiskPrintTime(const char *, int);
> +#endif
>
> // These function pointers are the Start/Stop/Read interface for
> // the SDR-IQ and any other C-language extension modules that return
> @@ -133,9 +137,11 @@
> typedef void (* ty_sample_start)(void);
> typedef void (* ty_sample_stop)(void);
> typedef int (* ty_sample_read)(complex *);
> +#ifndef SOUND_MODULE
> extern ty_sample_start pt_sample_start;
> extern ty_sample_stop pt_sample_stop;
> extern ty_sample_read pt_sample_read;
> +#endif
>
> void quisk_open_sound(void);
> void quisk_close_sound(void);
> --- a/sound.c
> +++ b/sound.c
> @@ -6,6 +6,7 @@
> #include <math.h>
> #include <sys/time.h>
> #include <time.h>
> +#define SOUND_MODULE 1
> #include "quisk.h"
> #include "filter.h"
>
> --- a/utility.c
> +++ b/utility.c
```

```
> @@ -6,6 +6,7 @@
> #include <sys/time.h>
> #endif
> #include <complex.h>
> +#define UTILITY_MODULE 1
> #include "quisk.h"
>
> // Access to config file attributes.
> --- a/quisk.c
> +++ b/quisk.c
> @@ -1796,8 +1796,52 @@
> PyMODINIT_FUNC init_quisk (void)
> {
> PyObject *m;
> + PyObject *c_api_object;
> +
> m = Py_InitModule ("_quisk", QuiskMethods);
> QuiskError = PyErr_NewException ("quisk.error", NULL, NULL);
> Py_INCREF (QuiskError);
> PyModule_AddObject (m, "error", QuiskError);
> +
> +#if PY_VERSION_HEX >= 0x03000000
> + /* Create Capsules for handing C objects to C extensions in other Python modules. */
> + c_api_object = PyCapsule_New((void *)&quisk_sound_state, "quisk._C_sound_state",
NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sound_state", c_api_object);
> + c_api_object = PyCapsule_New((void *)&pt_sample_start, "quisk._C_sample_start", NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_start", c_api_object);
> + c_api_object = PyCapsule_New((void *)&pt_sample_stop, "quisk._C_sample_stop", NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_stop", c_api_object);
> + c_api_object = PyCapsule_New((void *)&pt_sample_read, "quisk._C_sample_read", NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_read", c_api_object);
> +#else
> + /* Create CObjects for handing C objects to C extensions in other Python modules. */
> + c_api_object = PyCObject_FromVoidPtr((void *)&quisk_sound_state, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sound_state", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&pt_sample_start, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_start", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&pt_sample_stop, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_stop", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&pt_sample_read, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_sample_read", c_api_object);
```

```
> + c_api_object = PyCObject_FromVoidPtr((void *)&QuiskGetConfigDouble, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_GetConfigDouble", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&QuiskGetConfigString, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_GetConfigString", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&QuiskSleepMicrosec, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_SleepMicrosec", c_api_object);
> + c_api_object = PyCObject_FromVoidPtr((void *)&QuiskTimeSec, NULL);
> + if (c_api_object != NULL)
> + PyModule_AddObject(m, "_C_TimeSec", c_api_object);
> +#endif
> }
>
> Index: quisk-3.5.11/sdriqpkg/sdriq.c
> ===================================================================
> --- quisk-3.5.11.orig/sdriqpkg/sdriq.c 2012-01-30 21:54:27.000000000 -0500
> +++ quisk-3.5.11/sdriqpkg/sdriq.c 2012-01-30 23:30:08.000000000 -0500
> @@ -18,10 +18,19 @@
> #endif
>
> #include <complex.h>
> -
> +#define SOUND_MODULE 1
> #include "quisk.h"
> #include "sdriq.h"
>
> +static struct sound_conf *quisk_sound_state;
> +static ty_sample_start *pt_sample_start;
> +static ty_sample_stop *pt_sample_stop;
> +static ty_sample_read *pt_sample_read;
> +static double (*pQuiskGetConfigDouble)(const char * name, double deflt);
> +static char * (*pQuiskGetConfigString)(const char * name, char * deflt);
> +static double (*pQuiskTimeSec)(void);
> +static void (*pQuiskSleepMicrosec)(int usec);
> +
> // This module provides access to the SDR-IQ by RfSpace. It is the source
> // for the Python extension module sdriq. It can be used as a model for an
> // extension module for other hardware. Read the end of this file for more
> @@ -73,7 +82,7 @@
> return 0;
>
> if (FT_GetQueueStatus(quisk_sdriq_fd, &rx_bytes) != FT_OK) {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> return 0;
> }
> if (rx_bytes > bufsize)
> @@ -85,7 +94,7 @@
```

```
> return bytes;
> }
> else {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> return 0;
> }
> }
> @@ -116,7 +125,7 @@
> res = read(quisk_sdriq_fd, buf, bufsize);
> if (res < 0) {
> if (errno != EAGAIN && errno != EWOULDBLOCK) {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> }
> return 0;
> }
> @@ -159,7 +168,7 @@
> case 5:
> sdr_status = data[0];
> if (data[0] == 0x20)
> - quisk_sound_state.overrange++;
> + quisk_sound_state->overrange++;
> #if DEBUG
> if (data[0] == 0x20)
> printf ("Got overrange (clip)\n");
> @@ -199,7 +208,7 @@
> if (nparams)
> memcpy(buf + 4, params, nparams);
> if (Write(buf, length) != length) {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> #if DEBUG
> printf("get_item write error\n");
> #endif
> @@ -228,7 +237,7 @@
> if (nparams)
> memcpy(buf + 4, params, nparams);
> if (Write(buf, length) != length) {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> #if DEBUG
> printf("set_item write error\n");
> #endif
> @@ -391,7 +400,7 @@
> goto start_here; // process the next state
> }
> else if (state == 9) { // try to re-synchronize
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
```

```
> #if DEBUG
> printf ("Lost sync: type %d length %d\n", type, length);
> #endif
> @@ -405,7 +414,7 @@
> while (1) { // look for the start of data blocks "\x00\x80"
> res = Read(buf, 1);
> if (res != 1) {
> - QuiskSleepMicrosec(SDRIQ_MSEC * 1000);
> + (*pQuiskSleepMicrosec)(SDRIQ_MSEC * 1000);
> }
> else if (state == 9) { // look for 0x00
> if (buf[0] == 0x00)
> @@ -450,7 +459,7 @@
> buf[7] = value & 0xFF;
> buf[8] = 0;
> if (Write(buf, 9) != 9) {
> - quisk_sound_state.read_error++;
> + quisk_sound_state->read_error++;
> #if DEBUG
> printf ("set_ad6620 write error\n");
> #endif
> @@ -470,7 +479,7 @@
> sdr_recv(NULL, 0);
> if (sdr_ack != -1)
> break;
> - QuiskSleepMicrosec(SDRIQ_MSEC * 1000);
> + (*pQuiskSleepMicrosec)(SDRIQ_MSEC * 1000);
> }
> #if DEBUG
> if (sdr_ack != 1)
> @@ -666,7 +675,7 @@
> sdr_serial[0] = 0;
> sdr_idle = -1; // unknown state
> set_item(0x0018, 4, "\x81\x01\x00\x00");
> - QuiskSleepMicrosec(1000000);
> + (*pQuiskSleepMicrosec)(1000000);
> while (1) { // read and discard any available output
> if (Read(buf1024, 1024) == 0)
> break;
> @@ -691,7 +700,7 @@
> sdr_recv(NULL, 0);
> if (sdr_name[0] != 0)
> break;
> - QuiskSleepMicrosec(SDRIQ_MSEC * 1000);
> + (*pQuiskSleepMicrosec)(SDRIQ_MSEC * 1000);
> }
> if (sdr_name[0]) { // we got a response
> snprintf(buf, bufsize, "Capture from %s serial %s.",
> @@ -711,10 +720,10 @@
> static double time0 = 0; // time in seconds
```

```
> double timer; // time remaining from last poll usec
>
> - timer = quisk_sound_state.data_poll_usec - (QuiskTimeSec() - time0) * 1e6;
> + timer = quisk_sound_state->data_poll_usec - ((*pQuiskTimeSec)() - time0) * 1e6;
> if (timer > 1000.0) // see if enough time has elapsed
> - QuiskSleepMicrosec((int)timer); // wait for the remainder of the poll interval
> - time0 = QuiskTimeSec(); // reset starting time value
> + (*pQuiskSleepMicrosec)((int)timer); // wait for the remainder of the poll interval
> + time0 = (*pQuiskTimeSec)(); // reset starting time value
> }
>
> // End of most SDR-IQ specific code.
> @@ -751,7 +760,7 @@
> sdr_recv(samples, 2048);
> if (sdr_idle == 1)
> break;
> - QuiskSleepMicrosec(1000);
> + (*pQuiskSleepMicrosec)(1000);
> }
> #if DEBUG
> if (msec < 1001)
> @@ -809,13 +818,13 @@
> if (!PyArg_ParseTuple (args, ""))
> return NULL;
>
> - name = QuiskGetConfigString("sdriq_name", "NoName");
> - sdriq_clock = QuiskGetConfigDouble("sdriq_clock", 66666667.0);
> + name = (*pQuiskGetConfigString)("sdriq_name", "NoName");
> + sdriq_clock = (*pQuiskGetConfigDouble)("sdriq_clock", 66666667.0);
>
> // Record our C-language Start/Stop/Read functions for use by sound.c.
> - pt_sample_start = &quisk_start_sdriq;
> - pt_sample_stop = &quisk_stop_sdriq;
> - pt_sample_read = &quisk_read_sdriq;
> + *pt_sample_start = &quisk_start_sdriq;
> + *pt_sample_stop = &quisk_stop_sdriq;
> + *pt_sample_read = &quisk_read_sdriq;
> //////////////
> quisk_open_sdriq(name, buf, 128); // SDR-IQ specific
> return PyString_FromString(buf); // return a string message
> @@ -867,5 +876,79 @@
> // Initialization, and registration of public symbol "initsdriq":
> PyMODINIT_FUNC initsdriq (void)
> {
> + PyObject *c_api_object;
> + PyObject *module;
> +
> + module = PyImport_ImportModule("quisk._quisk");
> + if (module == NULL)
> + return;
```

```
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sound_state");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + quisk_sound_state = (struct sound_conf *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_start");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_start = (ty_sample_start *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_stop");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_stop = (ty_sample_stop *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_read");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_read = (ty_sample_read *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_GetConfigDouble");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pQuiskGetConfigDouble = (double (*)(const char * name, double
deflt))PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_GetConfigString");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pQuiskGetConfigString = (char * (*)(const char * name, char
*deflt))PyCObject_AsVoidPtr(c_api_object);
```

```
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_TimeSec");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pQuiskTimeSec = (double (*)(void))PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_SleepMicrosec");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pQuiskSleepMicrosec = (void (*)(int usec))PyCObject_AsVoidPtr(c_api_object);
> +
> + Py_DECREF(c_api_object);
> + Py_DECREF(module);
> +
> Py_InitModule ("sdriq", QuiskMethods);
> }
>
> Index: quisk-3.5.11/charleston/chas_rx1.c
> ===================================================================
> --- quisk-3.5.11.orig/charleston/chas_rx1.c 2012-01-30 21:54:33.000000000 -0500
> +++ quisk-3.5.11/charleston/chas_rx1.c 2012-01-30 23:35:11.000000000 -0500
> @@ -11,9 +11,14 @@
> #include <unistd.h> // NOT NEEDED for SDR-IQ support
> #include <complex.h> // needed for SDR-IQ support
> #include <math.h> // TF added for Charleston Rx1 support
> +#define SOUND_MODULE 1
> #include "quisk.h"
> #include "chas_rx1.h"
>
> +static ty_sample_start *pt_sample_start;
> +static ty_sample_stop *pt_sample_stop;
> +static ty_sample_read *pt_sample_read;
> +
> #define DEBUG 0
>
> #define NAME_SIZE 16
> @@ -820,9 +825,9 @@
> return NULL;
>
> // Record our C-language Start/Stop/Read functions for use by sound.c.
> - pt_sample_start = &quisk_start_chas_rx1;
> - pt_sample_stop = &quisk_stop_chas_rx1;
> - pt_sample_read = &quisk_read_chas_rx1;
> + *pt_sample_start = &quisk_start_chas_rx1;
```

```
> + *pt_sample_stop = &quisk_stop_chas_rx1;
> + *pt_sample_read = &quisk_read_chas_rx1;
>
> quisk_open_chas_rx1(buf, 128); // Charleston RX1 specific
> return PyString_FromString(buf); // return a string message
> @@ -934,5 +939,40 @@
> // Initialization, and registration of public symbol "initchas_rx1":
> PyMODINIT_FUNC initchas_rx1 (void)
> {
> + PyObject *c_api_object;
> + PyObject *module;
> +
> + module = PyImport_ImportModule("quisk._quisk");
> + if (module == NULL)
> + return;
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_start");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_start = (ty_sample_start *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_stop");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_stop = (ty_sample_stop *)PyCObject_AsVoidPtr(c_api_object);
> +
> + c_api_object = PyObject_GetAttrString(module, "_C_sample_read");
> + if (c_api_object == NULL) {
> + Py_DECREF(module);
> + return;
> + }
> + if (PyCObject_Check(c_api_object))
> + pt_sample_read = (ty_sample_read *)PyCObject_AsVoidPtr(c_api_object);
> +
> + Py_DECREF(c_api_object);
> + Py_DECREF(module);
> +
> Py_InitModule ("chas_rx1", QuiskMethods);
> + return;
> }
>
```

504. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-27 23:31:57 UTC
From: Andrea Montefusco
Topic: 427 Message: 504

Hi all,

I just pushed into iw0hdv branch some code in order to manage attenuator and antenna selection.
Many thanks, as usual, to Sid Boyce G3VBV that supports the development providing radio, PC and
Internet connection.

Please test it throughly: in fact during my tests I discovered a strangeness.
Whilst the attenuator has a very quick answer (switching it from 0 dB to -40 dB, the signals drop is
immediately visible on the spectrum) when I switch the antenna input from #1 back to #0, the signals
remain low: after maybe 20/30 secs everything is back as usual.
I guess Sid doesn't have any real antenna on secondary input #1 but the delay sounds strange.

73 iw0hdv

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

505. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 14:15:16 UTC
From: Sid Boyce
Topic: 427 Message: 505

I only have antenna #1 attached.

Checking with quisk-3.5.12 the attenuator works as it should.

When I clicked on antenna #2 signal stopped and the relay changeover was audible but when I went back to antenna #1 signal did not come back in ~15 seconds.

Restarted quisk and it took about 15 seconds before it burst into life on both spectrum and sound.

On antenna changeover this time it took 23 seconds before normal sound level was restored, spectrum unaffected.

Third try spectrum and sound restored in 5 seconds when back on antenna #1. Relay operates immediately on selection.
73 ... Sid.

On 27/02/12 23:31, Andrea Montefusco wrote:
>
> Hi all,
>
> I just pushed into iw0hdv branch some code in order to manage
> attenuator and antenna selection.
> Many thanks, as usual, to Sid Boyce G3VBV that supports the
> development providing radio, PC and
> Internet connection.
>
> Please test it throughly: in fact during my tests I discovered a
> strangeness.
> Whilst the attenuator has a very quick answer (switching it from 0 dB
> to -40 dB, the signals drop is
> immediately visible on the spectrum) when I switch the antenna input
> from #1 back to #0, the signals
> remain low: after maybe 20/30 secs everything is back as usual.
> I guess Sid doesn't have any real antenna on secondary input #1 but
> the delay sounds strange.
>
> 73 iw0hdv
>
> ---
> Andrea Montefusco iw0hdv http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ---
>

>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

506. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 14:25:23 UTC
From: Sid Boyce
Topic: 427 Message: 506

Same with antenna changeover with qsdr, both spectrum and sound came up
after ~20 seconds.
73 ... Sid.

On 28/02/12 14:15, Sid Boyce wrote:
>
> I only have antenna #1 attached.
>
> Checking with quisk-3.5.12 the attenuator works as it should.
>
> When I clicked on antenna #2 signal stopped and the relay changeover
> was audible but when I went back to antenna #1 signal did not come
> back in ~15 seconds.
>
> Restarted quisk and it took about 15 seconds before it burst into life
> on both spectrum and sound.
>
> On antenna changeover this time it took 23 seconds before normal sound
> level was restored, spectrum unaffected.
>
> Third try spectrum and sound restored in 5 seconds when back on
> antenna #1. Relay operates immediately on selection.
> 73 ... Sid.
>
> On 27/02/12 23:31, Andrea Montefusco wrote:
>
>> Hi all,
>>
>> I just pushed into iw0hdv branch some code in order to manage
>> attenuator and antenna selection.
>> Many thanks, as usual, to Sid Boyce G3VBV that supports the
>> development providing radio, PC and
>> Internet connection.
>>
>> Please test it throughly: in fact during my tests I discovered a
>> strangeness.
>> Whilst the attenuator has a very quick answer (switching it from 0 dB
>> to -40 dB, the signals drop is
>> immediately visible on the spectrum) when I switch the antenna input
>> from #1 back to #0, the signals
>> remain low: after maybe 20/30 secs everything is back as usual.
>> I guess Sid doesn't have any real antenna on secondary input #1 but
>> the delay sounds strange.
>>

>> 73 iw0hdv
>>
>> --
>> Andrea Montefusco iw0hdv http://www.montefusco.com
>> tel: +393356992791 fax: +390623318709
>> --
>>
>
>
> --
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--
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507. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 16:44:58 UTC
From: andrea montefusco
Topic: 427 Message: 507

Sid,
many thanks for testing with different software: more or less you had
the same results that me with ghpsdr3-alex.
It seems that some capacitor in the signal path is charging or
something similar, but maybe the hardware guys here can explain us
what we are missing (if any).
Could you try to put a 50 ohm termination on the antenna #2 and test
it again (with one only sw is enough) ?

   am

--
Andrea Montefusco IW0HDV

508. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 20:25:23 UTC
From: Sid Boyce
Topic: 427 Message: 508

That's worth a try.
As the relay transfers instantly I'd expect signal straight off.

It used to with the FPGA v1.1 firmware and now its programmed with 1.3-sg1.
Perhaps the other guys can test and report if they have the same problem.
73 ... Sid.

On 28/02/12 16:44, andrea montefusco wrote:
>
> Sid,
> many thanks for testing with different software: more or less you had
> the same results that me with ghpsdr3-alex.
> It seems that some capacitor in the signal path is charging or
> something similar, but maybe the hardware guys here can explain us
> what we are missing (if any).
> Could you try to put a 50 ohm termination on the antenna #2 and test
> it again (with one only sw is enough) ?
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
>
>

--
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509. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 20:40:33 UTC
From: Andrea Montefusco
Topic: 427 Message: 509

On 02/28/2012 09:25 PM, Sid Boyce wrote:
> It used to with the FPGA v1.1 firmware and now its programmed with 1.3-sg1.

Ah !
Now I understand that '3' in version field ;-)

am

510. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-28 21:14:28 UTC
From: Sid Boyce
Topic: 427 Message: 510

On 28/02/12 20:40, Andrea Montefusco wrote:
> On 02/28/2012 09:25 PM, Sid Boyce wrote:
>> It used to with the FPGA v1.1 firmware and now its programmed with
>> 1.3-sg1.
>
> Ah !
> Now I understand that '3' in version field ;-)
>
> *am*
>
The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
I have only had brief look with hiqscope and with VNA I had a look at
the impedance and VSWR of my Quad, seems a very good tool for checking
filters etc. and is quite easy to use.
73 ... Sid.

--
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511. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-29 07:50:45 UTC
From: Mario
Topic: 427 Message: 511

Hi,

this morning i tried with the iw0hdv branch of ghpsdr and the antenna switching works fine at my side. No delay except the audio coder delay.

Sid, how does antenna switching behave with your board if you use Quisk ?

Do you use the 1.3-sg1 or 1.3-sg1.1 ?
(FPGA-1.3-sg1.1 (Bugfix for Version FPGA-1.3-sg1))

Stefan reported a bug that caused delayed output of his scope functionality. But probably the effect you notice is related to that somehow. Anyway i am also still using the 1.3-sg1 and here it is working fine.

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> On 28/02/12 20:40, Andrea Montefusco wrote:
> > On 02/28/2012 09:25 PM, Sid Boyce wrote:
> >> It used to with the FPGA v1.1 firmware and now its programmed with
> >> 1.3-sg1.
> >
> > Ah !
> > Now I understand that '3' in version field ;-)
> >
> > *am*
> >
> The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
> I have only had brief look with hiqscope and with VNA I had a look at
> the impedance and VSWR of my Quad, seems a very good tool for checking
> filters etc. and is quite easy to use.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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512. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-29 09:36:50 UTC
From: andrea montefusco
Topic: 427 Message: 512

On Wed, Feb 29, 2012 at 8:50 AM, Mario <dh5ym@...> wrote:
> Sid, how does antenna switching behave with your board if you use Quisk ?

In the previous message on this thread Sid already reported the
results of his tests with Quisk:

>> When I clicked on antenna #2 signal stopped and the relay changeover was audible but when I went back to antenna #1 signal did not come back in ~15 seconds.
>> Restarted quisk and it took about 15 seconds before it burst into life on both spectrum and sound.

am

--
Andrea Montefusco IW0HDV

513. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-29 15:52:40 UTC
From: Sid Boyce
Topic: 427 Message: 513

Hi Mario,
Exactly the same using QtRadio from Andrea's branch of ghpsdr3-alex,
quisk-3.5.12 and qsdr.
73 ... Sid.

On 29/02/12 07:50, Mario wrote:
>
> Hi,
>
> this morning i tried with the iw0hdv branch of ghpsdr and the antenna
> switching works fine at my side. No delay except the audio coder delay.
>
> Sid, how does antenna switching behave with your board if you use Quisk ?
>
> Do you use the 1.3-sg1 or 1.3-sg1.1 ?
> (FPGA-1.3-sg1.1 (Bugfix for Version FPGA-1.3-sg1))
>
> Stefan reported a bug that caused delayed output of his scope
> functionality. But probably the effect you notice is related to that
> somehow. Anyway i am also still using the 1.3-sg1 and here it is
> working fine.
>
> regards
> Mario, DH5YM
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > On 28/02/12 20:40, Andrea Montefusco wrote:
> > > On 02/28/2012 09:25 PM, Sid Boyce wrote:
> > >> It used to with the FPGA v1.1 firmware and now its programmed with
> > >> 1.3-sg1.
> > >
> > > Ah !
> > > Now I understand that '3' in version field ;-)
> > >
> > > *am*
> > >
> > The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
> > I have only had brief look with hiqscope and with VNA I had a look at
> > the impedance and VSWR of my Quad, seems a very good tool for checking
> > filters etc. and is quite easy to use.
> > 73 ... Sid.
> >

> > --
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> > Senior Staff Specialist, Cricket Coach
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> >
>
>

--
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514. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-02-29 19:02:16 UTC
From: Mario
Topic: 427 Message: 514

Hi Sid,

thanks for the input. Did you do the modification exchanging the BCR148W to BSS138 ?
http://hiqsdr.finken-net.de/html/modific.htm

I remember you had one of the very first boards, right ?
Could be the BCR148W assembled.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Mario,
> Exactly the same using QtRadio from Andrea's branch of ghpsdr3-alex,
> quisk-3.5.12 and qsdr.
> 73 ... Sid.
>
> On 29/02/12 07:50, Mario wrote:
> >
> > Hi,
> >
> > this morning i tried with the iw0hdv branch of ghpsdr and the antenna
> > switching works fine at my side. No delay except the audio coder delay.
> >
> > Sid, how does antenna switching behave with your board if you use Quisk ?
> >
> > Do you use the 1.3-sg1 or 1.3-sg1.1 ?
> > (FPGA-1.3-sg1.1 (Bugfix for Version FPGA-1.3-sg1))
> >
> > Stefan reported a bug that caused delayed output of his scope
> > functionality. But probably the effect you notice is related to that
> > somehow. Anyway i am also still using the 1.3-sg1 and here it is
> > working fine.
> >
> > regards
> > Mario, DH5YM
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
> > >
> > > On 28/02/12 20:40, Andrea Montefusco wrote:
> > > > On 02/28/2012 09:25 PM, Sid Boyce wrote:
> > > >> It used to with the FPGA v1.1 firmware and now its programmed with
> > > >> 1.3-sg1.
> > > >

> > > > Ah !
> > > > Now I understand that '3' in version field ;-)
> > > >
> > > > *am*
> > > >
> > > The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
> > > I have only had brief look with hiqscope and with VNA I had a look at
> > > the impedance and VSWR of my Quad, seems a very good tool for checking
> > > filters etc. and is quite easy to use.
> > > 73 ... Sid.
> > >
> > > --
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> --
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>

515. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-01 00:08:46 UTC
From: Sid Boyce
Topic: 427 Message: 515

I did the mods on 18th. October last year and it worked fine with v1.1
which was installed in August.
I never checked again with v1.2.
73 ... Sid.

On 29/02/12 19:02, Mario wrote:
>
> Hi Sid,
>
> thanks for the input. Did you do the modification exchanging the
> BCR148W to BSS138 ?
> http://hiqsdr.finken-net.de/html/modific.htm
>
> I remember you had one of the very first boards, right ?
> Could be the BCR148W assembled.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Hi Mario,
> > Exactly the same using QtRadio from Andrea's branch of ghpsdr3-alex,
> > quisk-3.5.12 and qsdr.
> > 73 ... Sid.
> >
> > On 29/02/12 07:50, Mario wrote:
> > >
> > > Hi,
> > >
> > > this morning i tried with the iw0hdv branch of ghpsdr and the antenna
> > > switching works fine at my side. No delay except the audio coder
> delay.
> > >
> > > Sid, how does antenna switching behave with your board if you use
> Quisk ?
> > >
> > > Do you use the 1.3-sg1 or 1.3-sg1.1 ?
> > > (FPGA-1.3-sg1.1 (Bugfix for Version FPGA-1.3-sg1))
> > >
> > > Stefan reported a bug that caused delayed output of his scope
> > > functionality. But probably the effect you notice is related to that
> > > somehow. Anyway i am also still using the 1.3-sg1 and here it is

> > > working fine.
> > >
> > > regards
> > > Mario, DH5YM
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> <mailto:n2adr-sdr%40yahoogroups.com>,
> > > Sid Boyce <g3vbv@> wrote:
> > > >
> > > > On 28/02/12 20:40, Andrea Montefusco wrote:
> > > > > On 02/28/2012 09:25 PM, Sid Boyce wrote:
> > > > >> It used to with the FPGA v1.1 firmware and now its programmed
> with
> > > > >> 1.3-sg1.
> > > > >
> > > > > Ah !
> > > > > Now I understand that '3' in version field ;-)
> > > > >
> > > > > *am*
> > > > >
> > > > The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
> > > > I have only had brief look with hiqscope and with VNA I had a
> look at
> > > > the impedance and VSWR of my Quad, seems a very good tool for
> checking
> > > > filters etc. and is quite easy to use.
> > > > 73 ... Sid.
> > > >
> > > > --
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516. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-01 06:39:32 UTC
From: Mario
Topic: 427 Message: 516

Hi Sid,

thats very unusual behavior of the board, indeed.
I just can't play around with different designs for the FPGA because i do not have the altera programmer here.
I can just imagine that it has something todo with the supply voltage.
Cannot imagine that someone changed settings of the output buffer at the FPGA.
I will ask your question in the german speaking group.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I did the mods on 18th. October last year and it worked fine with v1.1
> which was installed in August.
> I never checked again with v1.2.
> 73 ... Sid.
>
>
> On 29/02/12 19:02, Mario wrote:
> >
> > Hi Sid,
> >
> > thanks for the input. Did you do the modification exchanging the
> > BCR148W to BSS138 ?
> > http://hiqsdr.finken-net.de/html/modific.htm
> >
> > I remember you had one of the very first boards, right ?
> > Could be the BCR148W assembled.
> >
> > regards
> > Mario
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
> > >
> > > Hi Mario,
> > > Exactly the same using QtRadio from Andrea's branch of ghpsdr3-alex,
> > > quisk-3.5.12 and qsdr.
> > > 73 ... Sid.
> > >
> > > On 29/02/12 07:50, Mario wrote:
> > > >
> > > > Hi,
> > > >

> > > > this morning i tried with the iw0hdv branch of ghpsdr and the antenna
> > > > switching works fine at my side. No delay except the audio coder
> > delay.
> > > >
> > > > Sid, how does antenna switching behave with your board if you use
> > Quisk ?
> > > >
> > > > Do you use the 1.3-sg1 or 1.3-sg1.1 ?
> > > > (FPGA-1.3-sg1.1 (Bugfix for Version FPGA-1.3-sg1))
> > > >
> > > > Stefan reported a bug that caused delayed output of his scope
> > > > functionality. But probably the effect you notice is related to that
> > > > somehow. Anyway i am also still using the 1.3-sg1 and here it is
> > > > working fine.
> > > >
> > > > regards
> > > > Mario, DH5YM
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr%40yahoogroups.com>
> > <mailto:n2adr-sdr%40yahoogroups.com>,
> > > > Sid Boyce <g3vbv@> wrote:
> > > > >
> > > > > On 28/02/12 20:40, Andrea Montefusco wrote:
> > > > > > On 02/28/2012 09:25 PM, Sid Boyce wrote:
> > > > > >> It used to with the FPGA v1.1 firmware and now its programmed
> > with
> > > > > >> 1.3-sg1.
> > > > > >
> > > > > > Ah !
> > > > > > Now I understand that '3' in version field ;-)
> > > > > >
> > > > > > *am*
> > > > > >
> > > > > The 1.3 is the 1.1 with additions for use with hiqscope and VNA.
> > > > > I have only had brief look with hiqscope and with VNA I had a
> > look at
> > > > > the impedance and VSWR of my Quad, seems a very good tool for
> > checking
> > > > > filters etc. and is quite easy to use.
> > > > > 73 ... Sid.
> > > > >
> > > > > --
> > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
> > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > > Senior Staff Specialist, Cricket Coach
> > > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > > >
> > > >
> > > >

> > >
> > >
> > > --
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> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>

517. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-01 09:49:29 UTC
From: Helmut Goebkes
Topic: 427 Message: 517

Hi Sid, Mario & group,

i checked antenna relay & attenuator behaviour on all HiQSDR
reachable from here (8 pcs) and all working ok & without problems.
The delay between antenna switching & audio output is
less than 100mS (processing delay) and therefore normal.
Sid has (had) same problems with his external "TX_ACTIVE" signal
that switches only after some seconds delay.
I tried to simulate this behavior several times but i never can find this.
In in my opinion the FPGA is not correct programmed
or defektive @ this outputs due to external signal injection.

Fact is, that two Specs must be correct: Input Voltage to HiQSDR maust by >6.5V preferrable
7VDC to produce correct level of stabilized 5 V to drive the relay & circuit.
The relay switching transistor must be a
low voltage FET type like BSS138W. otherwise the relay MAY audible
switch but sometimes the relay makes not correct contact.

External connections to FPGA are sensitive 3.3V-Level signals!
NEVER try to connevt these signal to a source that injects more than
3.3V into the FPGA! The protection resitors are no absolute guarantee
not to damage the FPGA! Best ist only connects HCT-ICs to the outputs
and drive FPGA Inpputs only from 3.3V-Supplied LVS-Chips or via resistive dividers!
The Preselector does it this way and works without problems @ external
connections.

Best regards!

Helmut, DB1CC

@Sid: if you send me your HiQSDR, i will check & repair it for you.

518. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-01 11:34:11 UTC
From: Sid Boyce
Topic: 427 Message: 518

Thanks Helmut.
I thought we were aiming for close to 6.0V and I have 6.03V.
I shall wind it up to 7.0V later and recheck.
73 ... Sid.

On 01/03/12 09:49, Helmut Goebkes wrote:
>
> Hi Sid, Mario & group,
>
> i checked antenna relay & attenuator behaviour on all HiQSDR
> reachable from here (8 pcs) and all working ok & without problems.
> The delay between antenna switching & audio output is
> less than 100mS (processing delay) and therefore normal.
> Sid has (had) same problems with his external "TX_ACTIVE" signal
> that switches only after some seconds delay.
> I tried to simulate this behavior several times but i never can find this.
> In in my opinion the FPGA is not correct programmed
> or defektive @ this outputs due to external signal injection.
>
> Fact is, that two Specs must be correct: Input Voltage to HiQSDR maust
> by >6.5V preferrable 7VDC to produce correct level of stabilized 5 V
> to drive the relay & circuit.
> The relay switching transistor must be a
> low voltage FET type like BSS138W. otherwise the relay MAY audible
> switch but sometimes the relay makes not correct contact.
>
> External connections to FPGA are sensitive 3.3V-Level signals!
> NEVER try to connevt these signal to a source that injects more than
> 3.3V into the FPGA! The protection resitors are no absolute guarantee
> not to damage the FPGA! Best ist only connects HCT-ICs to the outputs
> and drive FPGA Inpputs only from 3.3V-Supplied LVS-Chips or via
> resistive dividers!
> The Preselector does it this way and works without problems @ external
> connections.
>
> Best regards!
>
> Helmut, DB1CC
>
> @Sid: if you send me your HiQSDR, i will check & repair it for you.
>
>

--
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519. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-01 21:46:37 UTC
From: Sid Boyce
Topic: 427 Message: 519

Now at +6.98V, no change.
It appears it's changed over successfully and signals are at a very low level for up to half a minute and it then jumps to the proper level.

With the stronger signals on the band this evening I have been able to hear what's happening. It's as though there is a high resistance contact for the period.
73 ... Sid.

On 01/03/12 11:34, Sid Boyce wrote:
>
> Thanks Helmut.
> I thought we were aiming for close to 6.0V and I have 6.03V.
> I shall wind it up to 7.0V later and recheck.
> 73 ... Sid.
>
> On 01/03/12 09:49, Helmut Goebkes wrote:
>
>> Hi Sid, Mario & group,
>>
>> i checked antenna relay & attenuator behaviour on all HiQSDR
>> reachable from here (8 pcs) and all working ok & without problems.
>> The delay between antenna switching & audio output is
>> less than 100mS (processing delay) and therefore normal.
>> Sid has (had) same problems with his external "TX_ACTIVE" signal
>> that switches only after some seconds delay.
>> I tried to simulate this behavior several times but i never can find
>> this.
>> In in my opinion the FPGA is not correct programmed
>> or defektive @ this outputs due to external signal injection.
>>
>> Fact is, that two Specs must be correct: Input Voltage to HiQSDR
>> maust by >6.5V preferrable 7VDC to produce correct level of
>> stabilized 5 V to drive the relay & circuit.
>> The relay switching transistor must be a
>> low voltage FET type like BSS138W. otherwise the relay MAY audible
>> switch but sometimes the relay makes not correct contact.
>>
>> External connections to FPGA are sensitive 3.3V-Level signals!
>> NEVER try to connevt these signal to a source that injects more than
>> 3.3V into the FPGA! The protection resitors are no absolute guarantee
>> not to damage the FPGA! Best ist only connects HCT-ICs to the outputs
>> and drive FPGA Inpputs only from 3.3V-Supplied LVS-Chips or via
>> resistive dividers!

>> The Preselector does it this way and works without problems @ external
>> connections.
>>
>> Best regards!
>>
>> Helmut, DB1CC
>>
>> @Sid: if you send me your HiQSDR, i will check & repair it for you.
>>
>
>
> --
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520. Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-02 12:41:12 UTC
From: Helmut Goebkes
Topic: 427 Message: 520

Hi Sid,

Hmmm... very strange behaviour.
maybe the relay is defective, i had this with another one,
but this was only one of several hundreds i used over the years...

73!
Helmut, DB1CC

521. Re: [n2adr-sdr] Re: ghpsdr3-alex: server for HiQSDR: attenuator and antenna selector

Yahoo group: n2adr-sdr
Date: 2012-03-02 13:23:51 UTC
From: Sid Boyce
Topic: 427 Message: 521

That's what I'm thinking also.
Another thing I have to check is the /PTT signal which seemed to be floating, checked out the cable so far so need to meter at X1.
73 ... Sid.

On 02/03/12 12:41, Helmut Goebkes wrote:
>
> Hi Sid,
>
> Hmmm... very strange behaviour.
> maybe the relay is defective, i had this with another one,
> but this was only one of several hundreds i used over the years...
>
> 73!
> Helmut, DB1CC
>
>

--
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522. Re: QVNA

Yahoo group: n2adr-sdr
Date: 2012-03-04 17:20:10 UTC
From: rv3apm1
Topic: 497 Message: 522

Thanks

Very nice
Tested with QVNA my PA3AKE BPF - seems work OK
picture in my photos section
But not sure about correct calibration procedure
73
Serge

>
> Hi all,
>
> for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at:
http://dl2stg.de/stefan/hiqsdr/qvna.html
>
> I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).
>
> 73
>
> Stefan, DL2STG
>

523. Preselector Board Prototype running

Yahoo group: n2adr-sdr
Date: 2012-03-04 19:45:49 UTC
From: Helmut Goebkes
Topic: 523 Message: 523

Hi Group,

today i finished testing of the prototype board of the HiQSDR-Preselector board, all running as expected.
Some minor PCB changes will be done this week and than we start shortly production of Board & Filter modules.
I added some photos of the prototype connected to HiQSDR directly via adapters (shure, cables are also possible ;-) to the files area.
Also i include measuring of the 40m BP Module on HP Network analyser as example.

I keep you informed!

73!
Helmut, DB1CC

524. Re: QVNA

Yahoo group: n2adr-sdr
Date: 2012-03-04 20:17:54 UTC
From: dl2stg
Topic: 497 Message: 524

Hi,

for calibrating S21 (Transmission) connect TX and RX and use "Calibrate through". If you change the attentuator, calibrate again. For S11 (Reflection) use a directional coupler and calibrate open, match and short.

73
Stefan

--- In n2adr-sdr@yahoogroups.com, "rv3apm1" <rv3apm@...> wrote:
>
> Thanks
>
> Very nice
> Tested with QVNA my PA3AKE BPF - seems work OK
> picture in my photos section
> But not sure about correct calibration procedure
> 73
> Serge
>
> >
> > Hi all,
> >
> > for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html
> >
> > I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).
> >
> > 73
> >
> > Stefan, DL2STG
> >
>

526. Re: QVNA

Yahoo group: n2adr-sdr
Date: 2012-03-04 21:16:26 UTC
From: rv3apm1
Topic: 497 Message: 526

Recalibrate all
connect TX and RX and use "Calibrate through" used RX attenuator in QVNA 20dB TX=0
Now better BW lost 2 dB in QVNA , minVNA 1.1 dB
Spectrum out of bands on HiQSDR-QVNA better than miniVNA , I not see harmonics.
So good I think
Thanks, 73
Serge

--- In n2adr-sdr@yahoogroups.com, "rv3apm1" <rv3apm@...> wrote:
>
>
> OK , I did almost so
> All well, but got different with real miniVNA for lost in BW miniVNA = 1 dB , QVNA show 4 dB .....
> The next - James said about external attenuators ... but I not have it
> I can use it from software RX.... TX attenuators ??
> What the TX attenuator???
> What correct Values for it , or see on practical pictures,
> ...
>
> 73 Serge
>
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "dl2stg" <yaho1@> wrote:
> >
> > Hi,
> >
> > for calibrating S21 (Transmission) connect TX and RX and use "Calibrate through". If you change the attentuator, calibrate again. For S11 (Reflection) use a directional coupler and calibrate open, match and short.
> >
> > 73
> > Stefan
> >
> > --- In n2adr-sdr@yahoogroups.com, "rv3apm1" <rv3apm@> wrote:
> > >
> > > Thanks
> > >
> > > Very nice
> > > Tested with QVNA my PA3AKE BPF - seems work OK
> > > picture in my photos section
> > > But not sure about correct calibration procedure
> > > 73

> > > Serge
> > >
> > > >
> > > > Hi all,
> > > >
> > > > for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html
> > > >
> > > > I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).
> > > >
> > > > 73
> > > >
> > > > Stefan, DL2STG
> > > >
> > >
> > >
>

527. Re: [n2adr-sdr] Preselector Board Prototype running

Yahoo group: n2adr-sdr
Date: 2012-03-05 02:35:36 UTC
From: Sid Boyce
Topic: 523 Message: 527

Thanks Helmut,
Excellent, a very neat addition.
73 ... Sid.

On 04/03/12 19:45, Helmut Goebkes wrote:
>
> Hi Group,
>
> today i finished testing of the prototype board of the
> HiQSDR-Preselector board, all running as expected.
> Some minor PCB changes will be done this week and than we start
> shortly production of Board & Filter modules.
> I added some photos of the prototype connected to HiQSDR
> directly via adapters (shure, cables are also possible ;-)
> to the files area.
> Also i include measuring of the 40m BP Module on HP Network analyser
> as example.
>
> I keep you informed!
>
> 73!
> Helmut, DB1CC
>
>

--
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528. another Mini PC for SDR

Yahoo group: n2adr-sdr
Date: 2012-03-05 16:05:08 UTC
From: Mario
Topic: 528 Message: 528

http://www.solid-run.com/products/cubox

This might be another option to get SDR to small formfactor for those who like to use Linux.

529. Re: [n2adr-sdr] another Mini PC for SDR

Yahoo group: n2adr-sdr
Date: 2012-03-05 20:22:54 UTC
From: Sid Boyce
Topic: 528 Message: 529

They keep arriving in a flood.
I've got the BeagleBone and just got a Pandaboard today, hoping
HiQSDR/Pandaboard will be the business.
73 ... Sid.

On 05/03/12 16:05, Mario wrote:
>
> http://www.solid-run.com/products/cubox
>
> This might be another option to get SDR to small formfactor for those
> who like to use Linux.
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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530. Re: [n2adr-sdr] another Mini PC for SDR

Yahoo group: n2adr-sdr
Date: 2012-03-06 04:31:38 UTC
From: Yu Disong
Topic: 528 Message: 530

Looks like Raspberry Pi could do the job as well
http://www.raspberrypi.org/

73,
Dale BA4TB

--- 12年3月6日，周二, Sid Boyce <g3vbv@...> 写道：

发件人: Sid Boyce <g3vbv@...>
主题: Re: [n2adr-sdr] another Mini PC for SDR
收件人: n2adr-sdr@yahoogroups.com
日期: 2012年3月6日,周二,上午4:22

They keep arriving in a flood.
I've got the BeagleBone and just got a Pandaboard today, hoping HiQSDR/Pandaboard will be the business.
73 ... Sid.

On 05/03/12 16:05, Mario wrote:

http://www.solid-run.com/products/cubox

This might be another option to get SDR to small formfactor for those who like to use Linux.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
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531. Programing issue

Yahoo group: n2adr-sdr
Date: 2012-03-12 12:17:55 UTC
From: Yu Disong
Topic: 531 Message: 531

Hi all,

Was trying to program EPCS16 using USB Blaster,which uses AS mode in Quartus,but always error poped up with "Can't recognize silicon ID for device 1",had replaced EPCS16 already! Is there any special setting needed or is FPGA damaged?

73,
Dale

532. Re: Programing issue

Yahoo group: n2adr-sdr
Date: 2012-03-15 13:37:37 UTC
From: Mario
Topic: 531 Message: 532

Hi Dale,

Sounds like you have a connection issue. Did you already check if all signals arriving at the EPCS16 ?
For active serial mode the FPGA should not even be in the loop.
If the EEPROM cannot be programmed there must be something wrong with the communication lines or the EEPROM itself (or its power supply).

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Hi all,
>
> Was trying to program EPCS16 using USB Blaster,which uses AS mode in Quartus,but always error poped up with "Can't recognize silicon ID for device 1",had replaced EPCS16 already!
> Is there any special setting needed or is FPGA damaged?
>
> 73,
> Dale
>

533. Re: [n2adr-sdr] Re: Programing issue

Yahoo group: n2adr-sdr
Date: 2012-03-15 13:56:33 UTC
From: Sid Boyce
Topic: 531 Message: 533

I don't if it's relevant, but I get the same using Altera 11.1 but have found 11.0 is OK. I use the command line, it's easier.

```
slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-sg1/Transceiver_1.3-sg #
/root/altera/11.0/quartus/bin/quartus_pgm -c USB-Blaster Transceiver.cdf
Info: *******************************************************************
Info: Running Quartus II Programmer
Info: Version 11.0 Build 157 04/27/2011 SJ Web Edition
Info: Copyright (C) 1991-2011 Altera Corporation. All rights reserved.
Info: Your use of Altera Corporation's design tools, logic functions
Info: and other software and tools, and its AMPP partner logic
Info: functions, and any output files from any of the foregoing
Info: (including device programming or simulation files), and any
Info: associated documentation or information are expressly subject
Info: to the terms and conditions of the Altera Program License
Info: Subscription Agreement, Altera MegaCore Function License
Info: Agreement, or other applicable license agreement, including,
Info: without limitation, that your use is for the sole purpose of
Info: programming logic devices manufactured by Altera and sold by
Info: Altera or its authorized distributors. Please refer to the
Info: applicable agreement for further details.
Info: Processing started: Mon Feb 13 15:29:54 2012
Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
Info: Using programming cable "USB-Blaster [1-6.5]"
Info: Using programming file
/home/stefan/projekte/sdr/Transceiver_1.3-sg/Transceiver.pof with
checksum 0x1BF87D65 for device EPCS16@1
Info: Started Programmer operation at Mon Feb 13 15:29:55 2012
Info: Device 1 silicon ID is 0x14
Info: Erasing ASP configuration device(s)
Info: Programming device 1
Info: Performing verification on device 1
Info: Device 1 silicon ID is 0x14
Info: Successfully performed operation(s)
Info: Ended Programmer operation at Mon Feb 13 15:30:09 2012
Info: Quartus II Programmer was successful. 0 errors, 0 warnings
Info: Peak virtual memory: 91 megabytes
Info: Processing ended: Mon Feb 13 15:30:09 2012
Info: Elapsed time: 00:00:15
Info: Total CPU time (on all processors): 00:00:00
73 ... Sid.
```

On 15/03/12 13:37, Mario wrote:
>
> Hi Dale,

>
> Sounds like you have a connection issue. Did you already check if all
> signals arriving at the EPCS16 ?
> For active serial mode the FPGA should not even be in the loop.
> If the EEPROM cannot be programmed there must be something wrong with
> the communication lines or the EEPROM itself (or its power supply).
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Yu Disong <yudisong@...> wrote:
> >
> > Hi all,
> >
> > Was trying to program EPCS16 using USB Blaster,which uses AS mode in
> Quartus,but always error poped up with "Can't recognize silicon ID for
> device 1",had replaced EPCS16 already!
> > Is there any special setting needed or is FPGA damaged?
> >
> > 73,
> > Dale
> >
>
>

--
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Senior Staff Specialist, Cricket Coach
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534. Re: [n2adr-sdr] Re: Programing issue

Yahoo group: n2adr-sdr
Date: 2012-03-17 01:09:53 UTC
From: Yu Disong
Topic: 531 Message: 534

Sid,

I use 9.1 version currently,and are the 2 BAT64-05 needed?

Dale

--- 12年3月15日，周四, Sid Boyce <g3vbv@...> 写道：

发件人: Sid Boyce <g3vbv@...>
主题: Re: [n2adr-sdr] Re: Programing issue
收件人: n2adr-sdr@yahoogroups.com
日期: 2012年3月15日,周四,下午9:56

I don't if it's relevant, but I get the same using Altera 11.1 but have found 11.0 is OK. I use the command line, it's easier.

```
slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-sg1/Transceiver_1.3-sg #
/root/altera/11.0/quartus/bin/quartus_pgm -c USB-Blaster Transceiver.cdf
Info: *******************************************************************
Info: Running Quartus II Programmer
    Info: Version 11.0 Build 157 04/27/2011 SJ Web Edition
    Info: Copyright (C) 1991-2011 Altera Corporation. All rights reserved.
    Info: Your use of Altera Corporation's design tools, logic functions
    Info: and other software and tools, and its AMPP partner logic
    Info: functions, and any output files from any of the foregoing
    Info: (including device programming or simulation files), and any
    Info: associated documentation or information are expressly subject
    Info: to the terms and conditions of the Altera Program License
    Info: Subscription Agreement, Altera MegaCore Function License
    Info: Agreement, or other applicable license agreement, including,
    Info: without limitation, that your use is for the sole purpose of
    Info: programming logic devices manufactured by Altera and sold by
    Info: Altera or its authorized distributors.  Please refer to the
    Info: applicable agreement for further details.
    Info: Processing started: Mon Feb 13 15:29:54 2012
Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
Info: Using programming cable "USB-Blaster [1-6.5]"
Info: Using programming file /home/stefan/projekte/sdr/Transceiver_1.3-sg/Transceiver.pof
with checksum 0x1BF87D65 for device EPCS16@1
Info: Started Programmer operation at Mon Feb 13 15:29:55 2012
Info: Device 1 silicon ID is 0x14
Info: Erasing ASP configuration device(s)
Info: Programming device 1
Info: Performing verification on device 1
Info: Device 1 silicon ID is 0x14
Info: Successfully performed operation(s)
```

Info: Ended Programmer operation at Mon Feb 13 15:30:09 2012
Info: Quartus II Programmer was successful. 0 errors, 0 warnings
    Info: Peak virtual memory: 91 megabytes
    Info: Processing ended: Mon Feb 13 15:30:09 2012
    Info: Elapsed time: 00:00:15
    Info: Total CPU time (on all processors): 00:00:00
73 ... Sid.

On 15/03/12 13:37, Mario wrote:

Hi Dale,

Sounds like you have a connection issue. Did you already check if all signals arriving at the EPCS16 ?
For active serial mode the FPGA should not even be in the loop.
If the EEPROM cannot be programmed there must be something wrong with the communication lines or the EEPROM itself (or its power supply).

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Yu Disong <yudisong@...> wrote:
>
> Hi all,
>
> Was trying to program EPCS16 using USB Blaster,which uses AS mode in Quartus,but always error poped up with "Can't recognize silicon ID for device 1",had replaced EPCS16 already!
> Is there any special setting needed or is FPGA damaged?
>
> 73,
> Dale
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

535. Re: [n2adr-sdr] Re: Programing issue

Yahoo group: n2adr-sdr
Date: 2012-03-17 01:47:40 UTC
From: Sid Boyce
Topic: 531 Message: 535

I started with 11.0 and I installed 11.1 when it came out, that's when I had a problem with it not seeing the Programmer.
I don't know if the BAT64-05's are needed but I think they must be there to offer protection against over voltage.
73 ... Sid.

On 17/03/12 01:09, Yu Disong wrote:
>
> Sid,
> I use 9.1 version currently,and are the 2 BAT64-05 needed?
> Dale
>
> --- *12年3?oe^15?---??OE?'??>>, Sid Boyce
> /<g3vbv@...>/* ?+^(TM)??"?s(
>
>
> ??'件人: Sid Boyce <g3vbv@...>
> 主?~: Re: [n2adr-sdr] Re: Programing issue
> ?"?件人: n2adr-sdr@yahoogroups.com
> ?---??oeY": 2012年3?oe^15?---?,?'??>>,?<??^9:56
>
> I don't if it's relevant, but I get the same using Altera 11.1 but
> have found 11.0 is OK. I use the command line, it's easier.
>
> slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-sg1/Transceiver_1.3-sg #
> /root/altera/11.0/quartus/bin/quartus_pgm -c USB-Blaster
> Transceiver.cdf
> Info:
> **
> Info: Running Quartus II Programmer
> Info: Version 11.0 Build 157 04/27/2011 SJ Web Edition
> Info: Copyright (C) 1991-2011 Altera Corporation. All rights
> reserved.
> Info: Your use of Altera Corporation's design tools, logic
> functions
> Info: and other software and tools, and its AMPP partner logic
> Info: functions, and any output files from any of the foregoing
> Info: (including device programming or simulation files), and any
> Info: associated documentation or information are expressly
> subject
> Info: to the terms and conditions of the Altera Program License
> Info: Subscription Agreement, Altera MegaCore Function License
> Info: Agreement, or other applicable license agreement,
> including,

> Info: without limitation, that your use is for the sole
> purpose of
> Info: programming logic devices manufactured by Altera and
> sold by
> Info: Altera or its authorized distributors. Please refer to the
> Info: applicable agreement for further details.
> Info: Processing started: Mon Feb 13 15:29:54 2012
> Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
> Info: Using programming cable "USB-Blaster [1-6.5]"
> Info: Using programming file
> /home/stefan/projekte/sdr/Transceiver_1.3-sg/Transceiver.pof with
> checksum 0x1BF87D65 for device EPCS16@1
> Info: Started Programmer operation at Mon Feb 13 15:29:55 2012
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> Info: Erasing ASP configuration device(s)
> Info: Programming device 1
> Info: Performing verification on device 1
> Info: Device 1 silicon ID is 0x14
> Info: Successfully performed operation(s)
> Info: Ended Programmer operation at Mon Feb 13 15:30:09 2012
> Info: Quartus II Programmer was successful. 0 errors, 0 warnings
> Info: Peak virtual memory: 91 megabytes
> Info: Processing ended: Mon Feb 13 15:30:09 2012
> Info: Elapsed time: 00:00:15
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> 73 ... Sid.
>
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>> Hi Dale,
>>
>> Sounds like you have a connection issue. Did you already check if
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>> For active serial mode the FPGA should not even be in the loop.
>> If the EEPROM cannot be programmed there must be something wrong
>> with the communication lines or the EEPROM itself (or its power
>> supply).
>>
>> regards
>> Mario
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <http://cn.mc921.mail.yahoo.com/mc/compose?to=n2adr-sdr%40yahoogroups.com>,
>> Yu Disong <yudisong@...>
>> <http://cn.mc921.mail.yahoo.com/mc/compose?to=yudisong@...> wrote:
>> >
>> > Hi all,
>> >
>> > Was trying to program EPCS16 using USB Blaster,which uses AS
>> mode in Quartus,but always error poped up with "Can't recognize

>> silicon ID for device 1",had replaced EPCS16 already!
>> > Is there any special setting needed or is FPGA damaged?
>> >
>> > 73,
>> > Dale
>> >
>>
>
> .
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

536. How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 04:32:08 UTC
From: mathisono
Topic: 536 Message: 536

Hello! All

Im interested in FPGA based SDRs. Ive done a basic design of a similar styled SDR. I would like to study a this design. Im really interested in getting one of these going.(BUY) I would all so like to discuss some other possible ADC and DAC like the MAX5879 & ADC12D1800. Chips like this could make for a really wide band SDR, that would operate in the ghz. Combining the DSP_CPU or FPGA and an operating system CPU, could make a low powered self contained Ultra wide-band SDR with a QT Gui and knobs for a mobile SDR.

Mathison
kj6dzb

537. Re: How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 12:42:30 UTC
From: Helmut Goebkes
Topic: 536 Message: 537

Hi Mathison,

Welcome to the group!

Shure there is room for improvements, but you have to deal with some
limits as well! Even if the parts are really available (both are not..) the price and
needed bandwidth set the limit.
3 GHz ADC/DAC needs FPGAs with similar thruput - ok they are available
but not payable ;-(
The ADC12D1800 has 12 Bit resolution, but a ENOB of just 9 Bits,
really not really impressive for our goals.
Do not forget that noise is also related to bandwidth and you have to deal with this
bandwidth also @ preprocessing/filtering and board layout. Last but not least for what to
heck do you really need
DC to 3 GHz in one chunk? Practically wou need always a frequency selective part before (!)
the ADC - not to get too overdrive your
(ENOB 9 low resolution) ADC. So you also can use converters/transverters before the DDC/DUC
to do that
frequency (pre)selection.

Also the accompanied PC needs the power and bandwidth to process
the signals - and what do you really gain from a DDC/DUC Transceiver
with a working window of - lets say 48 KHz - out of 3 GHz ??
The stability needs for modulations like PSK31 / WSJT set another limit too.

Shure, ignoring all before, such a DDC/DUC can be realized.
You are invited to develop & built it! The estimated cost of such a development can easily
go to the higher $$$$ area, the production price too....

DDC/DUC types like N2ADR/HiQSDR are - in my opinion
(others may think different..) the best way to practical usable digital transceivers - but
not for every price.

If you want to go to higher frequencies it is no problem to use transverters and use the
DDC/DUC then as "Baseband" DDC/DUC.

Best regards!
Helmut, DB1CC

538. Re: [n2adr-sdr] Re: How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 13:28:16 UTC
From: Kaj Wiik
Topic: 536 Message: 538

On Tue, Mar 20, 2012 at 2:42 PM, Helmut Goebkes
<hgoebkes@...> wrote:

> 3 GHz ADC/DAC needs FPGAs with similar thruput - ok they are available
> but not payable ;-(

True. One example: https://casper.berkeley.edu/wiki/IBOB

> but not least for what to heck do you really need
> DC to 3 GHz in one chunk? Practically wou need always a frequency
> selective part before (!) the ADC - not to get too overdrive your
> (ENOB 9 low resolution) ADC. So you also can use converters/transverters
> before the DDC/DUC to do that
> frequency (pre)selection.

Alias bands with undersampling is often also a good way to go, maybe
tuned circuits in the preamp might be in fact enough to do the
filtering.

> Also the accompanied PC needs the power and bandwidth to process
> the signals - and what do you really gain from a DDC/DUC Transceiver
> with a working window of - lets say 48 KHz - out of 3 GHz ??
> The stability needs for modulations like PSK31 / WSJT set another limit
> too.

Stability is set by the FPGA clock that can be locked to a stable
reference which should be very easy.. FPGA PLL's should not be used
for sample timings because they are very noisy.

> DDC/DUC types like N2ADR/HiQSDR are - in my opinion
> (others may think different..) the best way to practical usable digital
> transceivers - but not for every price.

Yes, I agree totally. In fact there are some very interesting
low-priced devboards that might be usable, porting N2ADR firmware (or
part of it) might be an interesting exercise :-).

> If you want to go to higher frequencies it is no problem to use
> transverters and use the DDC/DUC then as "Baseband" DDC/DUC.

Or using ADC/DAC analog bandwith to full and undersampling (alias responses).

Cheers,
Kaj OH6EH

539. /PTT signal

Yahoo group: n2adr-sdr
Date: 2012-03-20 13:46:35 UTC
From: Sid Boyce
Topic: 539 Message: 539

Had a good look today at N1 pinouts for the 1.3-sg1 firmware and
comparing it with Jim's write up on quisk 3.5.5 and later.

N1 pin6 used to be the pin and /PTT worked, perhaps that was for the
original firmware and when I upgraded to v1.1 I didn't notice or
overlooked the pin change.

I'd like confirmation that it's now N1 pin 7 (FPGA pin 57).
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

540. Re: /PTT signal

Yahoo group: n2adr-sdr
Date: 2012-03-20 14:22:25 UTC
From: Helmut Goebkes
Topic: 539 Message: 540

Hi Sid,

> original firmware and when I upgraded to v1.1 I didn't notice or
> overlooked the pin change.

No Sid, the pin assignment is not changed! All delivered HiQSDR
are the same layout (V2.4t)
If you can measure a signal @ Pin7 maybe you have a shortage between Pin 6 / Pin 7 ?

Pin 7 ist connected to FPGA Pin56 and reserved for future use.

please see for references: www.hiqsdr.de

X1: Preselector connection
Micromatch PIN FPGA PIN Description
PIN 1 69 Band switch D0
PIN 2 68 Band switch D1
PIN 3 65 Band switch D2
PIN 4 64 Band switch D3
PIN 5 63 High=PreAmp_ON
PIN 6 57 Low=TX_ACTIVE/TX_LED
PIN 7 56 CCTX (reserved for later use)
PIN 8 55 CCRX (reserved for later use)
PIN 9 +3.3V
PIN 10 GND

For your reference, i added a screen dump of the part around X1 & FPGA into the files area
named HiQSDR_X1_FPGA.JPG

73!
Helmut, DB1CC

541. Re: [n2adr-sdr] Re: How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 14:42:50 UTC
From: Marciniak, Ed
Topic: 536 Message: 541

To gain resolution with undersampling requires even more stringent filtering, and filter loss will eat into gains in ENOB. Some of that filtering will possibly need to be between a buffer amp and the ADC to reduce the wideband noise out of the buffer.

256x oversampling would gain you 4 bits if done correctly, and save you one mixer stage on a downconverter.

Trying to come up with a 10-15 mhz wide filter for a 2.3 or 3.4 ghz ham band receiver that was reasonably low loss and reasonably flat would be challenging with steep skirts. The overall result wouldn't outperform a 100mhz 14 bit adc with a single conversion, and with the quality filter required, it wouldn't be frequency agile.

Put differently, what would you use it for where the signal levels would be high enough and require that much bandwidth?

Without better adc parts, what do you hope to accomplish?

From: Kaj Wiik [mailto:kaj.wiik@gmail.com]
Sent: Tuesday, March 20, 2012 08:28 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: How do I test one?

On Tue, Mar 20, 2012 at 2:42 PM, Helmut Goebkes
<hgoebkes@technologie2000.de<mailto:hgoebkes%40technologie2000.de>> wrote:

> 3 GHz ADC/DAC needs FPGAs with similar thruput - ok they are available
> but not payable ;-(

True. One example: https://casper.berkeley.edu/wiki/IBOB

> but not least for what to heck do you really need
> DC to 3 GHz in one chunk? Practically wou need always a frequency
> selective part before (!) the ADC - not to get too overdrive your
> (ENOB 9 low resolution) ADC. So you also can use converters/transverters
> before the DDC/DUC to do that
> frequency (pre)selection.

Alias bands with undersampling is often also a good way to go, maybe
tuned circuits in the preamp might be in fact enough to do the
filtering.

> Also the accompanied PC needs the power and bandwidth to process
> the signals - and what do you really gain from a DDC/DUC Transceiver
> with a working window of - lets say 48 KHz - out of 3 GHz ??
> The stability needs for modulations like PSK31 / WSJT set another limit
> too.

Stability is set by the FPGA clock that can be locked to a stable
reference which should be very easy.. FPGA PLL's should not be used
for sample timings because they are very noisy.

> DDC/DUC types like N2ADR/HiQSDR are - in my opinion
> (others may think different..) the best way to practical usable digital
> transceivers - but not for every price.

Yes, I agree totally. In fact there are some very interesting
low-priced devboards that might be usable, porting N2ADR firmware (or
part of it) might be an interesting exercise :-).

> If you want to go to higher frequencies it is no problem to use
> transverters and use the DDC/DUC then as "Baseband" DDC/DUC.

Or using ADC/DAC analog bandwith to full and undersampling (alias responses).

Cheers,
Kaj OH6EH

542. Re: [n2adr-sdr] Re: /PTT signal

Yahoo group: n2adr-sdr
Date: 2012-03-20 15:25:19 UTC
From: Sid Boyce
Topic: 539 Message: 542

Thanks Helmut.
I'm measuring 3.3V on pin 7 and 0V on pin 6.
quisk is showing firmware version 1.3.

I used to get 3.3V on X1 pin 6, now that's at 0V permanently with the background of PTT in quisk showing red when activated.

I'll check RN1 at pins 6 and 3 to see what I am getting out of the FPGA and across RN1.
73 ... Sid.

On 20/03/12 14:22, Helmut Goebkes wrote:
>
> Hi Sid,
>
> > original firmware and when I upgraded to v1.1 I didn't notice or
> > overlooked the pin change.
>
> No Sid, the pin assignment is not changed! All delivered HiQSDR
> are the same layout (V2.4t)
> If you can measure a signal @ Pin7 maybe you have a shortage between
> Pin 6 / Pin 7 ?
>
> Pin 7 ist connected to FPGA Pin56 and reserved for future use.
>
> please see for references: www.hiqsdr.de
>
> X1: Preselector connection
> Micromatch PIN FPGA PIN Description
> PIN 1 69 Band switch D0
> PIN 2 68 Band switch D1
> PIN 3 65 Band switch D2
> PIN 4 64 Band switch D3
> PIN 5 63 High=PreAmp_ON
> PIN 6 57 Low=TX_ACTIVE/TX_LED
> PIN 7 56 CCTX (reserved for later use)
> PIN 8 55 CCRX (reserved for later use)
> PIN 9 +3.3V
> PIN 10 GND
>
> For your reference, i added a screen dump of the part around X1 & FPGA
> into the files area named HiQSDR_X1_FPGA.JPG
>
> 73!
> Helmut, DB1CC
>

> __._,_.
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot,
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

543. Re: [n2adr-sdr] Re: How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 15:27:11 UTC
From: Kaj Wiik
Topic: 536 Message: 543

On Tue, Mar 20, 2012 at 4:42 PM, Marciniak, Ed <elmarciniak@...> wrote:
>
> To gain resolution with undersampling requires even more stringent
> filtering, and filter loss will eat into gains in ENOB. Some of that
> filtering will possibly need to be between a buffer amp and the ADC to
> reduce the wideband noise out of the buffer.

Hm, you need antialias filter in any case.

> 256x oversampling would gain you 4 bits if done correctly, and save you
> one mixer stage on a downconverter.

Yes but how to do that (direct sampling) economically at 2.3 GHz (or
even in my case at 800 MHz)?

> Trying to come up with a 10-15 mhz wide filter for a 2.3 or 3.4 ghz ham
> band receiver that was reasonably low loss and reasonably flat would be
> challenging with steep skirts. The overall result wouldn't outperform a

The filter bandwidth needed for utilizing alias responses is of course
a factor of the ADC sampling rate.

As an example, you could use an ADC with sampling rate of 200 MHz
which is doable with the FPGA in question and they are available at
reasonable prices. Then you'd need to have a filter BW around 70 - 80
MHz which is doable at 800 MHz (10%). I agree that most ADC's have
analog bandwidth less than 1 GHz, so that is the hard limit for using
aliases. OTOH a transverter IF at e.g. around 600 MHz would make image
filtering very easy in the transverter for even at microwaves.

> 100mhz 14 bit adc with a single conversion, and with the quality filter
> required, it wouldn't be frequency agile.
Well, I am certainly talking about >= 14 bit ADC's > 100 Msamples/s.

> Put differently, what would you use it for where the signal levels would
> be high enough and require that much bandwidth?

> Without better adc parts, what do you hope to accomplish?
Simplicity and low phase noise. One FPGA with 200/150 MHz ADC and
reasonable filters would give coverage of 0 - 800 MHz without any
PLL's. Doing that with a 2 Gsample/s 14 bit ADC would be quite a
task... Further, you could design transverters so that their LO is a
multiple of the sampling rate...:-).

Cheers,
Kaj OH6EH

544. Re: [n2adr-sdr] Re: How do I test one?

Yahoo group: n2adr-sdr
Date: 2012-03-20 16:41:39 UTC
From: Marciniak, Ed
Topic: 536 Message: 544

The filter needs to be approximately Fs/2*oversampling multiple if you want to oversample and eliminate both noise and aliases. without increasing the ENOB, the performance on low level signals is about 50 years behind the times when using <12 bits. You can some improvement with gain ahead of adc, but then you give up dynamic range

If you had a 400 or 500 msps 16 bit part that gave 14 ENOB, and used it on say the 70 cm ham band, that would be very interesting.

It would let one sample nearly 8 mhz contiguous specturm with 17 ENOB (about 102 db dynamic range). It would be feasible to build a helical filter or saw filter bank that was switchable through entire ham band that would be well matched to 64x oversampling.

From: Kaj Wiik [mailto:kaj.wiik@gmail.com]
Sent: Tuesday, March 20, 2012 10:27 AM
To: n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>
Subject: Re: [n2adr-sdr] Re: How do I test one?

On Tue, Mar 20, 2012 at 4:42 PM, Marciniak, Ed
<elmarciniak@mnits.net<mailto:elmarciniak%40mnits.net>> wrote:
>
> To gain resolution with undersampling requires even more stringent
> filtering, and filter loss will eat into gains in ENOB. Some of that
> filtering will possibly need to be between a buffer amp and the ADC to
> reduce the wideband noise out of the buffer.

Hm, you need antialias filter in any case.

> 256x oversampling would gain you 4 bits if done correctly, and save you
> one mixer stage on a downconverter.

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> Trying to come up with a 10-15 mhz wide filter for a 2.3 or 3.4 ghz ham
> band receiver that was reasonably low loss and reasonably flat would be
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PLL's. Doing that with a 2 Gsample/s 14 bit ADC would be quite a
task... Further, you could design transverters so that their LO is a
multiple of the sampling rate...:-).

Cheers,
Kaj OH6EH

545. Re: QVNA

Yahoo group: n2adr-sdr
Date: 2012-03-20 20:35:21 UTC
From: cybinlabs
Topic: 497 Message: 545

My very first thought was OUTSTANDING!!!!

Hardware this cool needs to be seen to be fully appreciated.

It really is quite amazing what a few really great minds can put together.

Thanks to all.

Chuck Glasser
CTO Cybin Labs

--- In n2adr-sdr@yahoogroups.com, "rv3apm1" <rv3apm@...> wrote:
>
> Thanks
>
> Very nice
> Tested with QVNA my PA3AKE BPF - seems work OK
> picture in my photos section
> But not sure about correct calibration procedure
> 73
> Serge
>
> >
> > Hi all,
> >
> > for better understanding a vector network analyser i try to write a software for it. The results (screenshots, src(linux,win) and a win32-setup) and you find at: http://dl2stg.de/stefan/hiqsdr/qvna.html
> >
> > I hope it is usefull for someone. Version 0.9.1 is translatable for windows and has some bugfixes (sometime invalid sync for small sample values).
> >
> > 73
> >
> > Stefan, DL2STG
> >
>

546. More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-03-28 17:03:05 UTC
From: jimahlstrom
Topic: 546 Message: 546

Hello everyone,

I am currently working on making Quisk work nicely with Fldigi. I got receive working by using the excellent instructions by Jerry, KA6HLD. But sending transmit audio from Fldigi to Quisk was a problem.

I saw solutions based on JACK and Alsa snd-aloop, but none using PulseAudio. Has anyone gotten this to work?

I have a solution of sorts. I created a PulseAudio null sink device. I send Fldigi transmit audio to the null sink, and attach the Quisk microphone to the monitor of the null sink. In PulseAudio every sink, even a null sink, has a monitor output. This works, but it is cumbersome to create the null sink. Is there a better way? If not, I can describe this method in detail.

I am also working on frequency and PTT control between Quisk and Fldigi. I have a working model based on the XML-RPC built into Fldigi.

Jim
N2ADR

547. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-04-04 19:31:51 UTC
From: Mario
Topic: 546 Message: 547

Hi Jim,

nice to hear from you here.
Regarding the audio and Pulse i cannot really comment. I have no experience with that. For connecting between Quisk and DREAM DRM decoder i use the alsa loopback device but this is not very suitable for all operation were you want to listen in between.
What would be helpfull would be a possibility to disconnect the audio output of quisk from the speakers of the PC for just listening to the output that is done by another software (e.g. DREAM).

regarding control of Quisk out of Fldigi probably Stefan DL2STG can comment. He has implemented some control of his QSDR software. I think i remeber he uses the hamlib stuff. Probably there is something genereric inside hamlib that you may use for Quisk as well.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello everyone,
>
> I am currently working on making Quisk work nicely with Fldigi. I got receive working by using the excellent instructions by Jerry, KA6HLD. But sending transmit audio from Fldigi to Quisk was a problem.
>
> I saw solutions based on JACK and Alsa snd-aloop, but none using PulseAudio. Has anyone gotten this to work?
>
> I have a solution of sorts. I created a PulseAudio null sink device. I send Fldigi transmit audio to the null sink, and attach the Quisk microphone to the monitor of the null sink. In PulseAudio every sink, even a null sink, has a monitor output. This works, but it is cumbersome to create the null sink. Is there a better way? If not, I can describe this method in detail.
>
> I am also working on frequency and PTT control between Quisk and Fldigi. I have a working model based on the XML-RPC built into Fldigi.
>
> Jim
> N2ADR
>

548. HiQSDR webpage update

Yahoo group: n2adr-sdr
Date: 2012-04-13 22:53:47 UTC
From: Ken N9VV
Topic: 548 Message: 548

The HiQSDR webpage has some wonderful updates today.
They have addded:
[ ] 1W PA module from German ham website
[ ] pre-selector/filter module
[ ] 8-10w PA module "HiQSDR MPPA" with special cooling
[ ] 100w PA module (coming in future) "HiQSDR-HPPA"

forgive me if I missed something else. I do not read German.
http://www.technologie2000.de/page5.php

73 de Ken N9VV

549. Re: [n2adr-sdr] HiQSDR webpage update

Yahoo group: n2adr-sdr
Date: 2012-04-14 00:31:19 UTC
From: Sid Boyce
Topic: 548 Message: 549

Interesting. I am waiting for the preselector and the 10W PA as soon as
I can order.
As I read it the HiQSDR will drive the 10W PA directly.
73 ... Sid.

On 13/04/12 23:53, Ken N9VV wrote:
>
> The HiQSDR webpage has some wonderful updates today.
> They have addded:
> [ ] 1W PA module from German ham website
> [ ] pre-selector/filter module
> [ ] 8-10w PA module "HiQSDR MPPA" with special cooling
> [ ] 100w PA module (coming in future) "HiQSDR-HPPA"
>
> forgive me if I missed something else. I do not read German.
> http://www.technologie2000.de/page5.php
>
> 73 de Ken N9VV
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

550. supply information of built in or kit SDR

Yahoo group: n2adr-sdr
Date: 2012-04-14 05:53:35 UTC
From: vu2icc
Topic: 550 Message: 550

GM Dear James,Please provide information of supplier of built in or kit SDR. 73 de vu2icc

551. Re: [n2adr-sdr] supply information of built in or kit SDR

Yahoo group: n2adr-sdr
Date: 2012-04-14 13:21:16 UTC
From: Ken N9VV
Topic: 550 Message: 551

http://www.hiqsdr.org/
http://www.technologie2000.de/page5.php
http://www.db1cc.de/page2.html
with superb work done by: Helmut DB1CC <info@...>

GL de Ken N9VV

On 4/14/2012 12:53 AM, vu2icc wrote:
> GM Dear James,Please provide information of supplier of built in or kit SDR. 73 de vu2icc
> ------------------------------------

552. US BOM - Cost and Sourcing investigation

Yahoo group: n2adr-sdr
Date: 2012-04-14 13:24:53 UTC
From: Terry Long
Topic: 552 Message: 552

Hello Group,

I'm working on the BOM and sourcing from US sources. I see this project will be very expensive if only purchase one set of components.

What is the latest PCB design that is recommended? I want to make sure I'll be putting together the best/latest design level?

Thanks in advance for help.

Drop me a note if your interested in the BOM/Sourcing information I'm putting together.

Terry
N8AB

553. Re: US BOM - Cost and Sourcing investigation

Yahoo group: n2adr-sdr
Date: 2012-04-14 19:56:22 UTC
From: mathisono
Topic: 552 Message: 553

--- In n2adr-sdr@yahoogroups.com, "Terry Long" <terry.n8ab@...> wrote:
>
> Hello Group,
>
> I'm working on the BOM and sourcing from US sources. I see this project will be very expensive if only purchase one set of components.
>
> What is the latest PCB design that is recommended? I want to make sure I'll be putting together the best/latest design level?
>
> Thanks in advance for help.
>
> Drop me a note if your interested in the BOM/Sourcing information I'm putting together.
>
> Terry
> N8AB
>
I agree! after I used Google to translate the page. I had sticker shock!

Would it be possible license the production of a batch here in California, that could go out to American buyers? A club might like Califroina QRP might be interested in that?

Like wise the The American Pacific conference for Radio is going to be a national event for Americans. That takes place here in California later this year http://www.pacificon.org/ what are peoples thoughts?

73
Mathison KJ6DZB

554. Re: US BOM - Cost and Sourcing investigation

Yahoo group: n2adr-sdr
Date: 2012-04-14 20:21:14 UTC
From: wb4jfi
Topic: 552 Message: 554

Hey Terry, Terry here! (WB4JFI)

I'm building one of Helmut's boards. I have almost all the parts now. Helmut's board is first-class, it appears to have gold plating instead of normal. I believe his board layout his better as far as noise around the A/D, but he also has the voltage regulators mounted on the board, which adds heat. For that reason, he has designed a heat sink that fits under the board.

In building up his board, I must say that one cannot collect the parts and board, and build it for much cheaper than his finished boards. I would have done that if I had all the funds available at once. Instead, this has been a five-month (or longer) process for me.

I am using a spreadsheet to track parts costs, but there are a few places where I messed up and put in more parts than are actually needed. I typically buy spares of most items, and several parts for common-values, and I need to scrub my spreadsheet of those.

I purchased most parts from Digikey or Mouser, which also raised the cost a little. Buying some parts from Jameco, or other sources might reduce those costs.

The rare parts for me included:
1. The PC board itself. Purchased from Helmut.
2. The RF2420 attenuator chip. I also purchased from Helmut.
3. The Avago CPL-224-500E optoisolator. Not a good replacemetn found from US suppliers yet. Package size is a major issue.
4. Protec GBLC03C transient protectors. I used a substitute recommended on the HPSDR group for Hermes.
5. Power connector. I will work around this.
6. Heat sink. I plan to buy from Helmut.

Many of the other part numbers Helmut used were not directly available in the US, but subs can be found.

If it would help, I could probably put a cleaned-up version of my parts tracking spreadsheet here in the next day or two. It shows part numbers, vendor selected, and pricing. Some pricing is not correct, as I often bought ten or fifty items, even if I only needed one or two for the actual build. I have a committment tonight, taking up the time.

Again, once you look at the total parts count and cost, you might be able to save $100 or so over buying Helmut's fully built board. HAving him build and test the unit is probably worth that premium. Group purchasing of parts would help, but many of the savings would be in the small-cost items, so a LOT more trouble for little value gained - in my opinion.

There are other board designs out there, but I've seen occassional comments about the noisier front-ends.

Typing fast, so ignore the typos, please....
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, "Terry Long" <terry.n8ab@...> wrote:
>
> Hello Group,
>
> I'm working on the BOM and sourcing from US sources. I see this project will be very expensive if only purchase one set of components.
>
> What is the latest PCB design that is recommended? I want to make sure I'll be putting together the best/latest design level?
>
> Thanks in advance for help.
>
> Drop me a note if your interested in the BOM/Sourcing information I'm putting together.
>
> Terry
> N8AB
>

555. Re: [n2adr-sdr] supply information of built in or kit SDR

Yahoo group: n2adr-sdr
Date: 2012-04-15 00:38:07 UTC
From: shivarama prasad
Topic: 550 Message: 555

Dear Ken N9VV, I thank u for the info.73 de Prasad vu2icc

556. precision RF Bridge for use with N2ADR/HiQSDR as VNA

Yahoo group: n2adr-sdr
Date: 2012-04-17 14:50:43 UTC
From: Helmut Goebkes
Topic: 556 Message: 556

Hello group members,

i added some files for the description and circuit
of a precision RF Bridge to use the N2ADR/HiQSDR as
a full featured VNA.
Jim, N2ADR programmed the outstanding feature to
use the HiQSDR as VNA. With this feature you can
measure in thru-mode filters, amplifiers a.s.o
and in reflective mode antennas, impedances and
impedance matchings and much more.
To use the thru-mode, you have to use just a
attenuator in the range of 12..25dB not to overdrive
the HiQSDR RX input, the device under test (DUT) located
in between TX-output and RX-input.
To use the reflection mode, you must additionally
use a directional device like a directional
coupler or (better) a resistive RF bridge.

All fles you will find in the files area:
Files > DB1CC HiQSdr > HiQSDR RF Measuring bridge >
Measurements with HiQ RF Bridge

The RF bridge is nothing new - the principle is well known
for many years and features wide bandwidth, very good
directional properties (>42dB from 1MHz to 1GHz in this case)
and sinple construction. BUT: it is not usable with power.
To measure impedances, VSWR, antenna matching or
behaviour of antennas properties or other devices, power is not needed, so the first choice
is here a precise resistive bridge.
The operation frequency ranges from approx. 1MHz flat and wide
up in the GHz range with a directional factor of >40dB.

Only the coupling to the meauring RX (speak the hiQSDR RX)
is a little challenge. The diagonal of the RF bridge is symmetric
and this symmetry must under no circumstances de disturbed
to be precise. On the other hand, the RX input of the HiQSDR is a asymmetric 50Ohm coaxial
input.
To convert from symmetric to asymmetric, a balun can be used.
To guarantee a flat frequency response over the wide range
from 1 MHz to more than a GHz, special care has to be taken.
The used balun is a ferrite loaded coaxial balun, well known for years too and often used
as mantle current blocking device in
antenna systems.

To ease the building of the RF Bridge, i made a small PCB
wich is divided in two parts: the bridge part wich holds

the resistive bridge and three SMA-connectors for reference Port
(50Ohm Load) the RF input and the connection to the device under test.
the second part holds a connector to HiQSDR RX
and a attenuator to protect the RX input.
Both PCB parts are soldered into a shielding case, the
ferrite loaded coaxial balun and its compensation line
(a seconds coaxial cable wich has onla the shield used)
are soldered between these two pcb parts.
Over the two coaxial cables, 22 ferrite pig nose-type double
hole ferrites are placed.

In a separate directory i copied the measuremens i made of my
SteppIR-3-Element with HiQSDR as VNA and the HiQ-RF-Bridge
as directive element.

PCBs, Parts, Kits or complete built RF Bridges are available
soon via the known places for HiQSDR.

Best regards & 73!
Helmut, DB1CC

557. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-04-20 14:06:17 UTC
From: jimahlstrom
Topic: 546 Message: 557

Hello,

I have a new Quisk version 3.6.1 with the new interface to Fldigi. It supports both transmit and receive, as well as frequency setting and PTT. I am using XML-RPC for rig control. I recommend the ALSA loopback device to transfer audio, but you can use any other scheme of your choice. I would be happy for any feedback and suggestions for improvement.

Jim
N2ADR

558. HiQSDR supplier details

Yahoo group: n2adr-sdr
Date: 2012-04-21 05:04:13 UTC
From: shivarama prasad
Topic: 558 Message: 558

Dear James, Please let me know where shall can I get HiQSDR builtin or kit.Kindly provide me contact person to procure.

73 de Prasad VU 2 ICC

559. Re: HiQSDR supplier details

Yahoo group: n2adr-sdr
Date: 2012-04-21 18:49:38 UTC
From: Mario
Topic: 558 Message: 559

Hi Prasad,

the boards are offered by Helmut, DB1CC.
You may find purchase information at http://www.technologie2000.de/page5.php
Have a look to the end of the page.
Most difficult thing could be to get it through the indian customs ;)

regards
Mario

--- In n2adr-sdr@yahoogroups.com, shivarama prasad <vu2icc@...> wrote:
>
> Dear James, Please let me know where shall can I get HiQSDR builtin or kit.Kindly provide me contact person to procure.
>   73 de Prasad VU 2 ICC
>

560. Helmut: problem sending you email

Yahoo group: n2adr-sdr
Date: 2012-04-23 06:21:30 UTC
From: wb4jfi
Topic: 560 Message: 560

Sorry to others for the bandwidth here.

Helmut, I tried to send you an email, but it was returned to me by your email provider. According to the return mesage, my ISP (knology.net) is blacklisted, it was sent by the mail system at host amavis-outgoing1.knology.net. I can provide more info if needed.

I was checking to make sure you received my Paypal from 4/17.
Thanks.
Terry, WB4JFI

561. Re: Helmut: problem sending you email

Yahoo group: n2adr-sdr
Date: 2012-04-23 06:59:57 UTC
From: Helmut Goebkes
Topic: 560 Message: 561

Hi Terry, allok, parts on its way!
Hmm i received your mails from knology...

73!
Helmut

564. HiQSDR Parts list

Yahoo group: n2adr-sdr
Date: 2012-04-29 04:15:17 UTC
From: wb4jfi
Topic: 564 Message: 564

I lost track of this, but I finally remembered to post my spreadsheet of parts sources and pricing for my HiQSDR board build. It is based on Helmut's excellent spreadsheet, and I added info to the right on my parts sourcing. It is in the file section, under WB4JFI.

For many of the parts (esp. caps & resistors) you need to order more than you will need just to make minimums. I other places, I ordered extras of common values for future projects.

I have NOT actually build my board yet, so beware, there may be an issue to two here. I plan to build mine in a few weeks, once I get a block of time to focus on it. I did my best to purchase similar parts to Helmut's build wherever I could.

In the long run, if you can afford to, I still recommend that you go ahead and buy Helmut's board. It will come already built and tested. This is especially true if you do not have access to an Altera FPGA programmer (or equivalent), which you will need to program the FPGA code into the flash/eeprom. I happen to have one from working on the openHPSDR (and oher) stuff.

I provided two versions of the file, one in Excel 2010, and the other in Open Office format.
Enjoy.
Terry, WB4JFI

565. New Quisk version 3.6.2

Yahoo group: n2adr-sdr
Date: 2012-05-22 17:12:57 UTC
From: jimahlstrom
Topic: 565 Message: 565

Please go to my http://james.ahlstrom.name/quisk page to download the latest version of Quisk. It is no longer available on pypi.python.org.

I added a display of the filter bandwidth to the graph screen. This is based on code provided by Terry Fox, WB4JFI. Thanks Terry! See the file quisk_conf_defaults.py.

I added detailed information on each sound device to the config screen. The Test button now generates AM and FM as well as CW and SSB.

The receive filtering has been re-written to improve the shape of the filters and to reduce the CPU time. Quisk now runs on my fan-less Shuttle Atom machine at speeds up to 480 ksps. The CW filters are particularly nice.

Jim
N2ADR

566. Re: New Quisk version 3.6.2

Yahoo group: n2adr-sdr
Date: 2012-05-23 11:34:41 UTC
From: Andre Steiner
Topic: 565 Message: 566

Hello dear Jim,

thanks for the update, always better quisk makes it so fun.
What I miss is the Pout in the program can adjust.
vy 73 de Andre 'DL6AST

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
>
> Please go to my http://james.ahlstrom.name/quisk page to download the latest version of Quisk. It is no longer available on pypi.python.org.
>
>
> I added a display of the filter bandwidth to the graph screen. This is based on code provided by Terry Fox, WB4JFI. Thanks Terry! See the file quisk_conf_defaults.py.
>
> I added detailed information on each sound device to the config screen. The Test button now generates AM and FM as well as CW and SSB.
>
> The receive filtering has been re-written to improve the shape of the filters and to reduce the CPU time. Quisk now runs on my fan-less Shuttle Atom machine at speeds up to 480 ksps. The CW filters are particularly nice.
>
> Jim
> N2ADR
>

567. Helmut: never received heatsink and IC

Yahoo group: n2adr-sdr
Date: 2012-05-24 04:59:20 UTC
From: wb4jfi
Topic: 567 Message: 567

First of all, I apologize to Helmut and the group for the bandwidth. For some reason, apparently I cannot get emails through to Helmut, because of ISP issues. I've tried several times.

Helmut:
It's been about a month since I last heard about my order for one HiQSDR heatsink and one or two Avago optocouplers, they still have not arrived. Were they sent in a way that can be tracked? I did not pay for insurance, so I know it's not insured. I didn't think that I would need to for a simple piece of metal, and two small ICs... oh well.

Regarding my email problem: here is the body of the email I just received, which is typical of the undeliverable email message. I removed your email address and the host's IP address.

This is the mail system at host amavis-outgoing2.knology.net.

I'm sorry to have to inform you that your message could not
be delivered to one or more recipients. It's attached below.

For further assistance, please send mail to <postmaster>

If you do so, please include this problem report. You can
delete your own text from the attached returned message.

The mail system

<helmut's email address>: host mailin.goracer.de[ip address removed] refused to
talk to me: 553 sorry, your IP 24.214.64.231 is blacklisted in
ix.dnsbl.manitu.net, please contact the maintainer of that blacklist to get
delisted

The email problem has been there for the last couple of months.

Any help that you can provide would be appreciated.
thanks & 73
Terry, WB4JFI

568. Missing hiqsdr_swig.cc in gr-hiqsdr gnuradio muild

Yahoo group: n2adr-sdr
Date: 2012-05-24 06:23:23 UTC
From: cybinlabs
Topic: 568 Message: 568

I've just successfully loaded/installed from source gnuradio in Ubuntu 12.04, gnuradio companion comes up magically, ... looking very good.

loaded the gnu radio patch to hook up hiqsdr to gr from DL2STG but running make I get
..
.
g++: error: ./hiqsdr_swig.cc: No such file or directory
g++: fatal error: no input files
compilation terminated.

I don't find hiqsdr_swig.cc anywhere in the directories

So close... so far away..

Please advise

Thanks

Chuck

569. Re: [n2adr-sdr] Missing hiqsdr_swig.cc in gr-hiqsdr gnuradio muild

Yahoo group: n2adr-sdr
Date: 2012-05-24 09:15:40 UTC
From: Sid Boyce
Topic: 568 Message: 569

It's part of gr-hiqsdr-0.1.0.tgz.
73 ... Sid.

On 24/05/12 07:23, cybinlabs wrote:
>
> I've just successfully loaded/installed from source gnuradio in Ubuntu
> 12.04, gnuradio companion comes up magically, ... looking very good.
>
> loaded the gnu radio patch to hook up hiqsdr to gr from DL2STG but
> running make I get
> ..
> .
> g++: error: ./hiqsdr_swig.cc: No such file or directory
> g++: fatal error: no input files
> compilation terminated.
>
> I don't find hiqsdr_swig.cc anywhere in the directories
>
> So close... so far away..
>
> Please advise
>
> Thanks
>
> Chuck
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

570. Re: Helmut: never received heatsink and IC

Yahoo group: n2adr-sdr
Date: 2012-05-24 19:39:46 UTC
From: wb4jfi
Topic: 567 Message: 570

Just to make this VERY clear, this was not meant to slight Helmut in any way.

Less that 12 hours later, Helmut has contacted me with how the package was sent, and has tried to find out what happened from his end. I can now check with my post office, and start looking for it from this end as well.

Helmut is great! He made a generous offer to take care of it right away, which I don't want him to lose money on.

My problem, which caused me to use the Yahoo group, was that I simply could not contact Helmut. I have two different sets of email addresses, using two ISPs. I was getting emails kickbacked on all of them. Apparently, they are blacklisted, and the email system Helmut uses will not change that status.

So, I still highly recommend the HiQSDR and Helmut. He is very responsive, and willing to help out right away. I suggest that getting insurance is, well, cheap insurance!

(Helmut: I sent a reply to your email, it will be interesting to see if you get it)

Sorry for the bandwidth.
73
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, "wb4jfi" <wb4jfi@...> wrote:
>
> First of all, I apologize to Helmut and the group for the bandwidth. For some reason, apparently I cannot get emails through to Helmut, because of ISP issues. I've tried several times.
>
> Helmut:
> It's been about a month since I last heard about my order for one HiQSDR heatsink and one or two Avago optocouplers, they still have not arrived. Were they sent in a way that can be tracked? I did not pay for insurance, so I know it's not insured. I didn't think that I would need to for a simple piece of metal, and two small ICs... oh well.
>
> Regarding my email problem: here is the body of the email I just received, which is typical of the undeliverable email message. I removed your email address and the host's IP address.
>
> This is the mail system at host amavis-outgoing2.knology.net.
>
> I'm sorry to have to inform you that your message could not
> be delivered to one or more recipients. It's attached below.
>
> For further assistance, please send mail to <postmaster>
>
> If you do so, please include this problem report. You can

> delete your own text from the attached returned message.
>
> The mail system
>
> <helmut's email address>: host mailin.goracer.de[ip address removed] refused to
> talk to me: 553 sorry, your IP 24.214.64.231 is blacklisted in
> ix.dnsbl.manitu.net, please contact the maintainer of that blacklist to get
> delisted
>
> The email problem has been there for the last couple of months.
>
> Any help that you can provide would be appreciated.
> thanks & 73
> Terry, WB4JFI
>

571. HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-30 13:45:17 UTC
From: Helmut Goebkes
Topic: 571 Message: 571

Hi group members,

HiQSDR Preselector wor is now completed and PCBs
(and shortly full built boards) are available from stock.
Also available shortly are special parts kits
(HF3-Relays, MicroMatch a.s.o)

I set up full information to the web-site:

http://www.technologie2000.de/page7.php

73 & best regards!

Helmut, DB1CC

572. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-30 14:45:44 UTC
From: Sid Boyce
Topic: 571 Message: 572

Hi Helmut,
Did you get my email I sent a week ago?
In case it ended up in your SPAM folder, I'll resend it now.
73 ... Sid.

On 30/05/12 14:45, Helmut Goebkes wrote:
>
> Hi group members,
>
> HiQSDR Preselector wor is now completed and PCBs
> (and shortly full built boards) are available from stock.
> Also available shortly are special parts kits
> (HF3-Relays, MicroMatch a.s.o)
>
> I set up full information to the web-site:
>
> http://www.technologie2000.de/page7.php
>
> 73 & best regards!
>
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

573. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-30 18:51:47 UTC
From: Helmut Göbkes
Topic: 571 Message: 573
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Sid,

sorry, no, i got no mail from you last week - crazy things currently going on with mails

73!
Helmut

From: Sid Boyce
Sent: Wednesday, May 30, 2012 4:45 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Hi Helmut,
Did you get my email I sent a week ago?
In case it ended up in your SPAM folder, I'll resend it now.
73 ... Sid.

On 30/05/12 14:45, Helmut Goebkes wrote:

Hi group members,

HiQSDR Preselector wor is now completed and PCBs
(and shortly full built boards) are available from stock.
Also available shortly are special parts kits
(HF3-Relays, MicroMatch a.s.o)

I set up full information to the web-site:

http://www.technologie2000.de/page7.php

73 & best regards!

Helmut, DB1CC

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

574. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-30 19:35:09 UTC
From: Sid Boyce
Topic: 571 Message: 574
Attachments: 1 described; binary payloads are missing from this source WARC

I resent it this afternoon.
Details

Any chance I could send my HiQSDR board to you to have a look at?
If so, please forward address details. I reimburse any cost associated
via Paypal.

* Slow antenna relay changeover.
* X1 pin 6 floating.
There was also X1 pin 7 at +3.2V.

---
73 ... Sid.

On 30/05/12 19:51, Helmut G?bkes wrote:
>
> Hi Sid,
> sorry, no, i got no mail from you last week - crazy things currently
> going on with
> mails Zwinkerndes Smiley Emoticon
> 73!
> Helmut
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Wednesday, May 30, 2012 4:45 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>
> Hi Helmut,
> Did you get my email I sent a week ago?
> In case it ended up in your SPAM folder, I'll resend it now.
> 73 ... Sid.
>
> On 30/05/12 14:45, Helmut Goebkes wrote:
>
>> Hi group members,
>>
>> HiQSDR Preselector wor is now completed and PCBs
>> (and shortly full built boards) are available from stock.
>> Also available shortly are special parts kits
>> (HF3-Relays, MicroMatch a.s.o)
>>
>> I set up full information to the web-site:

>>
>> http://www.technologie2000.de/page7.php
>>
>> 73 & best regards!
>>
>> Helmut, DB1CC
>>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

575. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-30 20:49:13 UTC
From: Andrea Montefusco
Topic: 571 Message: 575

On 05/30/2012 03:45 PM, Helmut Goebkes wrote:
> I set up full information to the web-site:
>
> http://www.technologie2000.de/page7.php

Really it seems to be at

http://www.technologie2000.de/page7.html

anyway, wonderful job.

am

Andrea Montefusco iw0hdv http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

576. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 05:13:10 UTC
From: Helmut Göbkes
Topic: 571 Message: 576
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Sid,

yes, of course, i can check/repair your board, no problem!

73!
Helmut, DB1CC

From: Sid Boyce
Sent: Wednesday, May 30, 2012 9:35 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] HiQSDR Preselector PCBs available

I resent it this afternoon.
Details

Any chance I could send my HiQSDR board to you to have a look at?
If so, please forward address details. I reimburse any cost associated via Paypal.

* Slow antenna relay changeover.
* X1 pin 6 floating.
There was also X1 pin 7 at +3.2V.
---
73 ... Sid.

On 30/05/12 19:51, Helmut Göbkes wrote:

Hi Sid,

sorry, no, i got no mail from you last week - crazy things currently going on with mails

73!
Helmut

From: Sid Boyce
Sent: Wednesday, May 30, 2012 4:45 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Hi Helmut,
Did you get my email I sent a week ago?
In case it ended up in your SPAM folder, I'll resend it now.
73 ... Sid.

On 30/05/12 14:45, Helmut Goebkes wrote:

Hi group members,

HiQSDR Preselector wor is now completed and PCBs
(and shortly full built boards) are available from stock.
Also available shortly are special parts kits
(HF3-Relays, MicroMatch a.s.o)

I set up full information to the web-site:

http://www.technologie2000.de/page7.php

73 & best regards!

Helmut, DB1CC

--
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577. Wrong link for HiQSDR Preselector

Yahoo group: n2adr-sdr
Date: 2012-05-31 07:04:01 UTC
From: Helmut Goebkes
Topic: 577 Message: 577

Hi Group,

yes, thanks andrea, the link was wrong!

The correct link is:

http://www.technologie2000.de/page7.html

73!
Helmut, DB1CC

578. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 10:48:53 UTC
From: Sid Boyce
Topic: 571 Message: 578
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Helmut,
Will post it on Saturday.
Is this address OK?

Technologie 2000 GmbH
Molkereistrasse 5
89367 Waldstetten
---
73 ... Sid.

On 31/05/12 06:13, Helmut G?bkes wrote:
>
> Hi Sid,
> yes, of course, i can check/repair your board, no problem!
> 73!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Wednesday, May 30, 2012 9:35 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>
> I resent it this afternoon.
> Details
> ---

> Any chance I could send my HiQSDR board to you to have a look at?
> If so, please forward address details. I reimburse any cost associated
> via Paypal.
>
> * Slow antenna relay changeover.
> * X1 pin 6 floating.
> There was also X1 pin 7 at +3.2V.
> ---

> 73 ... Sid.
>
> On 30/05/12 19:51, Helmut G?bkes wrote:
>> Hi Sid,
>> sorry, no, i got no mail from you last week - crazy things currently
>> going on with
>> mails Zwinkerndes Smiley Emoticon
>> 73!
>> Helmut

>>
>> *From:* Sid Boyce <mailto:g3vbv@...>
>> *Sent:* Wednesday, May 30, 2012 4:45 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>>
>> Hi Helmut,
>> Did you get my email I sent a week ago?
>> In case it ended up in your SPAM folder, I'll resend it now.
>> 73 ... Sid.
>>
>> On 30/05/12 14:45, Helmut Goebkes wrote:
>>
>>> Hi group members,
>>>
>>> HiQSDR Preselector wor is now completed and PCBs
>>> (and shortly full built boards) are available from stock.
>>> Also available shortly are special parts kits
>>> (HF3-Relays, MicroMatch a.s.o)
>>>
>>> I set up full information to the web-site:
>>>
>>> http://www.technologie2000.de/page7.php
>>>
>>> 73 & best regards!
>>>
>>> Helmut, DB1CC
>>>
>>
>
>
> --
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> Senior Staff Specialist, Cricket Coach
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>

--
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Senior Staff Specialist, Cricket Coach
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579. Re: HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 12:01:24 UTC
From: Helmut Goebkes
Topic: 571 Message: 579

Hi Sid,

yes address is correct, but you should add an additional line containing "GERMANY"
otherwise it is possible that the package
is landing on mars...

73
Helmut, DB1CC

580. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 14:33:04 UTC
From: Rob Frohne
Topic: 571 Message: 580
Attachments: 2 described; binary payloads are missing from this source WARC

Sid,

Thanks for leaving it up for my demo!

Rob

On 05/31/2012 03:48 AM, Sid Boyce wrote:
> Thanks Helmut,
> Will post it on Saturday.
> Is this address OK?
> ---------------------------------
> Technologie 2000 GmbH
> Molkereistrasse 5
> 89367 Waldstetten
> ---------------------------------
> 73 ... Sid.
>
> On 31/05/12 06:13, Helmut G?bkes wrote:
>>
>> Hi Sid,
>> yes, of course, i can check/repair your board, no problem!
>> 73!
>> Helmut, DB1CC
>>
>> *From:* Sid Boyce <mailto:g3vbv@...>
>> *Sent:* Wednesday, May 30, 2012 9:35 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>>
>> I resent it this afternoon.
>> Details
>> --

>> Any chance I could send my HiQSDR board to you to have a look at?
>> If so, please forward address details. I reimburse any cost
>> associated via Paypal.
>>
>> * Slow antenna relay changeover.
>> * X1 pin 6 floating.
>> There was also X1 pin 7 at +3.2V.
>> --

>> 73 ... Sid.
>>
>> On 30/05/12 19:51, Helmut G?bkes wrote:

>>> Hi Sid,
>>> sorry, no, i got no mail from you last week - crazy things currently
>>> going on with
>>> mails Zwinkerndes Smiley Emoticon
>>> 73!
>>> Helmut
>>>
>>> *From:* Sid Boyce <mailto:g3vbv@...>
>>> *Sent:* Wednesday, May 30, 2012 4:45 PM
>>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>>>
>>> Hi Helmut,
>>> Did you get my email I sent a week ago?
>>> In case it ended up in your SPAM folder, I'll resend it now.
>>> 73 ... Sid.
>>>
>>> On 30/05/12 14:45, Helmut Goebkes wrote:
>>>
>>>> Hi group members,
>>>>
>>>> HiQSDR Preselector wor is now completed and PCBs
>>>> (and shortly full built boards) are available from stock.
>>>> Also available shortly are special parts kits
>>>> (HF3-Relays, MicroMatch a.s.o)
>>>>
>>>> I set up full information to the web-site:
>>>>
>>>> http://www.technologie2000.de/page7.php
>>>>
>>>> 73 & best regards!
>>>>
>>>> Helmut, DB1CC
>>>>
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks

--
Rob Frohne, Ph.D., P.E.
E.F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075 http://people.wallawalla.edu/~rob.frohne

581. Re: [n2adr-sdr] HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 14:47:18 UTC
From: Sid Boyce
Topic: 571 Message: 581
Attachments: 1 described; binary payloads are missing from this source WARC

No problem Rob,
Doing that with your demo in mind.

Guys, Rob is doing a talk late Friday and wants to demonstrate
ghpsdr3-alex, it would be nice to have a few more HiQSDR's available if
only to show there is more than one up and working - it could generate
wider interest.
73 ... Sid.

On 31/05/12 15:33, Rob Frohne wrote:
> Sid,
>
> Thanks for leaving it up for my demo!
>
> Rob
>
> On 05/31/2012 03:48 AM, Sid Boyce wrote:
>> Thanks Helmut,
>> Will post it on Saturday.
>> Is this address OK?
>> ---------------------------------
>> Technologie 2000 GmbH
>> Molkereistrasse 5
>> 89367 Waldstetten
>> ---------------------------------
>> 73 ... Sid.
>>
>> On 31/05/12 06:13, Helmut G?bkes wrote:
>>>
>>> Hi Sid,
>>> yes, of course, i can check/repair your board, no problem!
>>> 73!
>>> Helmut, DB1CC
>>>
>>> *From:* Sid Boyce <mailto:g3vbv@...>
>>> *Sent:* Wednesday, May 30, 2012 9:35 PM
>>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>>>
>>> I resent it this afternoon.
>>> Details
>>> --

>>> Any chance I could send my HiQSDR board to you to have a look at?

>>> If so, please forward address details. I reimburse any cost
>>> associated via Paypal.
>>>
>>> * Slow antenna relay changeover.
>>> * X1 pin 6 floating.
>>> There was also X1 pin 7 at +3.2V.
>>> ----------

>>> 73 ... Sid.
>>>
>>> On 30/05/12 19:51, Helmut G?bkes wrote:
>>>> Hi Sid,
>>>> sorry, no, i got no mail from you last week - crazy things
>>>> currently going on with
>>>> mails Zwinkerndes Smiley Emoticon
>>>> 73!
>>>> Helmut
>>>>
>>>> *From:* Sid Boyce <mailto:g3vbv@...>
>>>> *Sent:* Wednesday, May 30, 2012 4:45 PM
>>>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>> *Subject:* Re: [n2adr-sdr] HiQSDR Preselector PCBs available
>>>>
>>>> Hi Helmut,
>>>> Did you get my email I sent a week ago?
>>>> In case it ended up in your SPAM folder, I'll resend it now.
>>>> 73 ... Sid.
>>>>
>>>> On 30/05/12 14:45, Helmut Goebkes wrote:
>>>>
>>>>> Hi group members,
>>>>>
>>>>> HiQSDR Preselector wor is now completed and PCBs
>>>>> (and shortly full built boards) are available from stock.
>>>>> Also available shortly are special parts kits
>>>>> (HF3-Relays, MicroMatch a.s.o)
>>>>>
>>>>> I set up full information to the web-site:
>>>>>
>>>>> http://www.technologie2000.de/page7.php
>>>>>
>>>>> 73 & best regards!
>>>>>
>>>>> Helmut, DB1CC
>>>>>
>>>>
>>>
>>>
>>> --
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>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>> Senior Staff Specialist, Cricket Coach
>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>>
>> --
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>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> --
> Rob Frohne, Ph.D., P.E.
> E.F. Cross School of Engineering
> Walla Walla University
> 100 SW 4th Street
> College Place, WA 99324
> (509) 527-2075 http://people.wallawalla.edu/~rob.frohne

--
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582. Re: [n2adr-sdr] Re: HiQSDR Preselector PCBs available

Yahoo group: n2adr-sdr
Date: 2012-05-31 14:40:14 UTC
From: Sid Boyce
Topic: 571 Message: 582

Thanks Helmut,
Of course, though I think Royal Mail would ensure it got to Bundespost.
Once a colleague addressed an envelope all in morse code dots and dashes
inadvertently and it got to the address in Scotland without delay much
to our surprise.
73 ... Sid.

On 31/05/12 13:01, Helmut Goebkes wrote:
>
> Hi Sid,
>
> yes address is correct, but you should add an additional line
> containing "GERMANY" otherwise it is possible that the package
> is landing on mars...
>
> 73
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
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583. Re: Wrong link for HiQSDR Preselector

Yahoo group: n2adr-sdr
Date: 2012-05-31 17:15:30 UTC
From: Mathison Ott
Topic: 577 Message: 583

Cool work!!!

Looks like there have been a few difficulty getting the units delivered in the US. I wish it was just simple to order a unit with options instead of sorting thou specialty part kits. I Sprechen Sie Deutsch bitte. I can afford one as a student, at the moment but My UC Berkeley Radio club has been asking me what SDR? what SDR? and at the moment with this unit having taken the approach of using an FPGA ;-) Still haven't seen that signal synthesis in the 65mhz ----3ghz.

Did I say GreatWORK!

Mathison

584. Re: Wrong link for HiQSDR Preselector

Yahoo group: n2adr-sdr
Date: 2012-05-31 17:48:59 UTC
From: wb4jfi
Topic: 577 Message: 584

Mathison:
I would not hesitate to order again from Helmut, and I was one of the ones with delivery issues. It is not Helmut's fault at all, other orders from him came quickly and in good shape. I would recommend paying the little extra to get insurance, which is probably a good idea for any international orders.

I've had delivery issues from various places. It once took over four months to get something from China. I looked and saw all kinds of bad feedback on the seller after I placed my order, and canceled it via PayPal. Then, four months later, it showed up. It seemed to be lost in China's outgoing customs somehow, at least that's what the final tracking showed.
Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, Mathison Ott <mathisono@...> wrote:
>
> Cool work!!!
>
> Looks like there have been a few difficulty getting the units delivered in
> the US. I wish it was just simple to order a unit with options instead of
> sorting thou specialty part kits. I Sprechen Sie Deutsch bitte. I can
> afford one as a student, at the moment but My UC Berkeley Radio club has
> been asking me what SDR? what SDR? and at the moment with this unit having
> taken the approach of using an FPGA ;-) Still haven't seen that signal
> synthesis in the 65mhz ----3ghz.
>
> Did I say GreatWORK!
>
>
> Mathison
>

585. Re: [n2adr-sdr] Re: Wrong link for HiQSDR Preselector

Yahoo group: n2adr-sdr
Date: 2012-05-31 20:00:02 UTC
From: Sid Boyce
Topic: 577 Message: 585

Hi Terry,
I recently got and order from China via Hong Kong post for a reasonable shipping cost compared to DHL, etc., about 1/10th.
There was an explanatory note inside detailing the 8 different handling agents involved and stating that they can only guarantee it getting to their local post office and not what happens on it's route to the purchaser.
73 ... Sid.

On 31/05/12 18:48, wb4jfi wrote:
>
> Mathison:
> I would not hesitate to order again from Helmut, and I was one of the
> ones with delivery issues. It is not Helmut's fault at all, other
> orders from him came quickly and in good shape. I would recommend
> paying the little extra to get insurance, which is probably a good
> idea for any international orders.
>
> I've had delivery issues from various places. It once took over four
> months to get something from China. I looked and saw all kinds of bad
> feedback on the seller after I placed my order, and canceled it via
> PayPal. Then, four months later, it showed up. It seemed to be lost in
> China's outgoing customs somehow, at least that's what the final
> tracking showed.
> Terry, WB4JFI
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Mathison Ott <mathisono@...> wrote:
> >
> > Cool work!!!
> >
> > Looks like there have been a few difficulty getting the units
> delivered in
> > the US. I wish it was just simple to order a unit with options
> instead of
> > sorting thou specialty part kits. I Sprechen Sie Deutsch bitte. I can
> > afford one as a student, at the moment but My UC Berkeley Radio club has
> > been asking me what SDR? what SDR? and at the moment with this unit
> having
> > taken the approach of using an FPGA ;-) Still haven't seen that signal
> > synthesis in the 65mhz ----3ghz.
> >
> > Did I say GreatWORK!
> >
> >
> > Mathison

> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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586. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-06-04 20:55:48 UTC
From: df1bb
Topic: 546 Message: 586

Hi Jim,

many thanks for this implementation. Currently I'm using Quisk 3.6.2 together with fldigi and it works very well.
Now I'm very interested in using WSPR. Using the DGTL mode and Alsa loopback works fine, even TX (just got my first reports with only 0.5W out :-)). As WSPR has no control interface, except for CAT/Hamlib, I wasn't successful in controlling the PTT automatically. I tried using latest Hamlib with HiQSDR implementation but this uses direct access to the TRX over udp so Quisk doesn't see changes in frequency or the state of the PTT. My HiQSDR starts to transmit but I think Quisk won't send any audio to it.
Do you have any suggestion how I could at least control the Quisk PTT somehow?

73
Bjoern, DF1BB

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello,
>
> I have a new Quisk version 3.6.1 with the new interface to Fldigi. It supports both transmit and receive, as well as frequency setting and PTT. I am using XML-RPC for rig control. I recommend the ALSA loopback device to transfer audio, but you can use any other scheme of your choice. I would be happy for any feedback and suggestions for improvement.
>
> Jim
> N2ADR
>

587. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-06-05 12:28:03 UTC
From: jimahlstrom
Topic: 546 Message: 587

Hi,

The key state is sent from HiQSDR to Quisk in the received sample UDP packets, so if you can set key-down in the HiQSDR then Quisk should start transmitting too. So it seems to me that PTT should already work. Or perhaps I don't understand how you are controlling HiQSDR. Does Hamlib send a UDP control message to HiQSDR to set the software key-down?

Linux has a "pseudo terminal" or "pty" feature that acts like a hardware serial port, but is software. You could connect Quisk to this serial port, and connect WSPR to the other side, and control everything that way. Are you running Linux or Windows?

Can you provide a reference for the HiQSDR Hamlib interface? I could not find it.

Jim
N2ADR

588. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-06-05 21:24:52 UTC
From: df1bb
Topic: 546 Message: 588

Hi,

>Does Hamlib send a UDP control message to HiQSDR to set the software key-down?

Yes, I think this is the way it is implemented. Frequency control also works.

>Are you running Linux or Windows?

I'm running Linux. I tried to get the pty interface working but without success yet. After modifying is_key_down.c to accept the usage of /dev/ptmx I could get a slave pts (/dev/pts/5) to use with wspr. Both quisk and wspr can open their device but it seems ioctl somehow doesn't work correctly on it.

>
> Can you provide a reference for the HiQSDR Hamlib interface? I could not find it.

I found this entry:
http://comments.gmane.org/gmane.linux.hams.hamlib.devel/3456

The code can be found here:
http://n0nb.users.sourceforge.net/

It's in kit/hiqsdr.c.

73
Bjoern, DF1BB

589. Re: More on Quisk and Fldigi working together

Yahoo group: n2adr-sdr
Date: 2012-06-06 11:06:19 UTC
From: Mario
Topic: 546 Message: 589

Hi,

yes sending the UDP message to switch to TX is the way Stephane implemented it.
Unfortunately it is for FPGA V1.1 only. I had no time to extend the API description document so far.
If someone likes to do i can share the Latex sources ;)

Regarding usage of /dev/ptmx i think i remember that you need to use some different function call to open the device in order to make the communication with the slave end working properly. I had such problems when getting ax25 kissattach working.

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, "df1bb" <bjoern.biesenbach@...> wrote:
>
>
>
> Hi,
>
> >Does Hamlib send a UDP control message to HiQSDR to set the software key-down?
>
> Yes, I think this is the way it is implemented. Frequency control also works.
>
> >Are you running Linux or Windows?
>
> I'm running Linux. I tried to get the pty interface working but without success yet. After modifying is_key_down.c to accept the usage of /dev/ptmx I could get a slave pts (/dev/pts/5) to use with wspr. Both quisk and wspr can open their device but it seems ioctl somehow doesn't work correctly on it.
>
> >
> > Can you provide a reference for the HiQSDR Hamlib interface? I could not find it.
>
> I found this entry:
> http://comments.gmane.org/gmane.linux.hams.hamlib.devel/3456
>
> The code can be found here:
> http://n0nb.users.sourceforge.net/
>
> It's in kit/hiqsdr.c.
>
> 73
> Bjoern, DF1BB
>

590. Virtual machine for HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-06-14 10:09:49 UTC
From: df1bb
Topic: 590 Message: 590

Hi,

I have put together a Debian based VirtualBox machine for use with HiQSDR/N2ADR hardware.
It includes the following, preconfigured software:

- QUISK 3.6.2
- QVNA
- HiQScope
- Fldigi
- WSPR

QUISK is configured to use the ALSA loopback interface so Fldigi and WSPR can work with it
(set mode to DGTL in QUISK).
I also included some little dirty hacks so WSPR and Fldigi are able to set PTT.
User and password are both "sdr". Just use the "Import Appliance" function in VirtualBox.

http://www.bjoern-b.de/upload/debian_hiqsdr.ova (3.2GB)

73 Bjoern

591. Re: Virtual machine for HiQSDR/N2ADR

Yahoo group: n2adr-sdr
Date: 2012-06-14 14:43:31 UTC
From: Mario
Topic: 590 Message: 591

Hi Bjoern,

great idea.
Would it be possible also to inlcude the DREAM DRM decoder software ?
It also accepts audio from the Alsa Loopback device.
Setting the frequency via the Hamlib would be possible as well but without feedback to Quisk i guess.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "df1bb" <bjoern.biesenbach@...> wrote:
>
> Hi,
>
> I have put together a Debian based VirtualBox machine for use with HiQSDR/N2ADR hardware. It includes the following, preconfigured software:
>
> - QUISK 3.6.2
> - QVNA
> - HiQScope
> - Fldigi
> - WSPR
>
> QUISK is configured to use the ALSA loopback interface so Fldigi and WSPR can work with it (set mode to DGTL in QUISK).
> I also included some little dirty hacks so WSPR and Fldigi are able to set PTT.
> User and password are both "sdr". Just use the "Import Appliance" function in VirtualBox.
>
> http://www.bjoern-b.de/upload/debian_hiqsdr.ova (3.2GB)
>
> 73 Bjoern
>

592. Re: [n2adr-sdr] precision RF Bridge for use with N2ADR/HiQSDR as VNA

Yahoo group: n2adr-sdr
Date: 2012-06-20 16:21:56 UTC
From: Sid Boyce
Topic: 556 Message: 592

The Wurth 7427051 has been superceded by the 72470511 but the aperture
is too small for the RG178.
The only way it fits is by removing the PVC outer sheath.

Into the bargain, they have 22 written everywhere but they only shipped
20. I've emailed Wurth UK.
73 ... Sid.

On 17/04/12 15:50, Helmut Goebkes wrote:
>
> Hello group members,
>
> i added some files for the description and circuit
> of a precision RF Bridge to use the N2ADR/HiQSDR as
> a full featured VNA.
> Jim, N2ADR programmed the outstanding feature to
> use the HiQSDR as VNA. With this feature you can
> measure in thru-mode filters, amplifiers a.s.o
> and in reflective mode antennas, impedances and
> impedance matchings and much more.
> To use the thru-mode, you have to use just a
> attenuator in the range of 12..25dB not to overdrive
> the HiQSDR RX input, the device under test (DUT) located
> in between TX-output and RX-input.
> To use the reflection mode, you must additionally
> use a directional device like a directional
> coupler or (better) a resistive RF bridge.
>
> All fles you will find in the files area:
> Files > DB1CC HiQSdr > HiQSDR RF Measuring bridge >
> Measurements with HiQ RF Bridge
>
> The RF bridge is nothing new - the principle is well known
> for many years and features wide bandwidth, very good
> directional properties (>42dB from 1MHz to 1GHz in this case)
> and sinple construction. BUT: it is not usable with power.
> To measure impedances, VSWR, antenna matching or
> behaviour of antennas properties or other devices, power is not
> needed, so the first choice is here a precise resistive bridge.
> The operation frequency ranges from approx. 1MHz flat and wide
> up in the GHz range with a directional factor of >40dB.
>
> Only the coupling to the meauring RX (speak the hiQSDR RX)
> is a little challenge. The diagonal of the RF bridge is symmetric
> and this symmetry must under no circumstances de disturbed

> to be precise. On the other hand, the RX input of the HiQSDR is a
> asymmetric 50Ohm coaxial input.
> To convert from symmetric to asymmetric, a balun can be used.
> To guarantee a flat frequency response over the wide range
> from 1 MHz to more than a GHz, special care has to be taken.
> The used balun is a ferrite loaded coaxial balun, well known for years
> too and often used as mantle current blocking device in
> antenna systems.
>
> To ease the building of the RF Bridge, i made a small PCB
> wich is divided in two parts: the bridge part wich holds
> the resistive bridge and three SMA-connectors for reference Port
> (50Ohm Load) the RF input and the connection to the device under test.
> the second part holds a connector to HiQSDR RX
> and a attenuator to protect the RX input.
> Both PCB parts are soldered into a shielding case, the
> ferrite loaded coaxial balun and its compensation line
> (a seconds coaxial cable wich has onla the shield used)
> are soldered between these two pcb parts.
> Over the two coaxial cables, 22 ferrite pig nose-type double
> hole ferrites are placed.
>
> In a separate directory i copied the measuremens i made of my
> SteppIR-3-Element with HiQSDR as VNA and the HiQ-RF-Bridge
> as directive element.
>
> PCBs, Parts, Kits or complete built RF Bridges are available
> soon via the known places for HiQSDR.
>
> Best regards & 73!
> Helmut, DB1CC
>
>

--
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Senior Staff Specialist, Cricket Coach
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593. Re: [n2adr-sdr] precision RF Bridge for use with N2ADR/HiQSDR as VNA

Yahoo group: n2adr-sdr
Date: 2012-06-20 18:48:22 UTC
From: Sid Boyce
Topic: 556 Message: 593

That should have read "superceded by the 74270511".
73 ... Sid.

On 20/06/12 17:21, Sid Boyce wrote:
>
> The Wurth 7427051 has been superceded by the 72470511 but the aperture
> is too small for the RG178.
> The only way it fits is by removing the PVC outer sheath.
>
> Into the bargain, they have 22 written everywhere but they only
> shipped 20. I've emailed Wurth UK.
> 73 ... Sid.
>
> On 17/04/12 15:50, Helmut Goebkes wrote:
>>
>> Hello group members,
>>
>> i added some files for the description and circuit
>> of a precision RF Bridge to use the N2ADR/HiQSDR as
>> a full featured VNA.
>> Jim, N2ADR programmed the outstanding feature to
>> use the HiQSDR as VNA. With this feature you can
>> measure in thru-mode filters, amplifiers a.s.o
>> and in reflective mode antennas, impedances and
>> impedance matchings and much more.
>> To use the thru-mode, you have to use just a
>> attenuator in the range of 12..25dB not to overdrive
>> the HiQSDR RX input, the device under test (DUT) located
>> in between TX-output and RX-input.
>> To use the reflection mode, you must additionally
>> use a directional device like a directional
>> coupler or (better) a resistive RF bridge.
>>
>> All fles you will find in the files area:
>> Files > DB1CC HiQSdr > HiQSDR RF Measuring bridge >
>> Measurements with HiQ RF Bridge
>>
>> The RF bridge is nothing new - the principle is well known
>> for many years and features wide bandwidth, very good
>> directional properties (>42dB from 1MHz to 1GHz in this case)
>> and sinple construction. BUT: it is not usable with power.
>> To measure impedances, VSWR, antenna matching or
>> behaviour of antennas properties or other devices, power is not
>> needed, so the first choice is here a precise resistive bridge.
>> The operation frequency ranges from approx. 1MHz flat and wide

>> up in the GHz range with a directional factor of >40dB.
>>
>> Only the coupling to the meauring RX (speak the hiQSDR RX)
>> is a little challenge. The diagonal of the RF bridge is symmetric
>> and this symmetry must under no circumstances de disturbed
>> to be precise. On the other hand, the RX input of the HiQSDR is a
>> asymmetric 50Ohm coaxial input.
>> To convert from symmetric to asymmetric, a balun can be used.
>> To guarantee a flat frequency response over the wide range
>> from 1 MHz to more than a GHz, special care has to be taken.
>> The used balun is a ferrite loaded coaxial balun, well known for
>> years too and often used as mantle current blocking device in
>> antenna systems.
>>
>> To ease the building of the RF Bridge, i made a small PCB
>> wich is divided in two parts: the bridge part wich holds
>> the resistive bridge and three SMA-connectors for reference Port
>> (50Ohm Load) the RF input and the connection to the device under test.
>> the second part holds a connector to HiQSDR RX
>> and a attenuator to protect the RX input.
>> Both PCB parts are soldered into a shielding case, the
>> ferrite loaded coaxial balun and its compensation line
>> (a seconds coaxial cable wich has onla the shield used)
>> are soldered between these two pcb parts.
>> Over the two coaxial cables, 22 ferrite pig nose-type double
>> hole ferrites are placed.
>>
>> In a separate directory i copied the measuremens i made of my
>> SteppIR-3-Element with HiQSDR as VNA and the HiQ-RF-Bridge
>> as directive element.
>>
>> PCBs, Parts, Kits or complete built RF Bridges are available
>> soon via the known places for HiQSDR.
>>
>> Best regards & 73!
>> Helmut, DB1CC
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

--
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594. Re: precision RF Bridge for use with N2ADR/HiQSDR as VNA

Yahoo group: n2adr-sdr
Date: 2012-06-22 15:59:34 UTC
From: Helmut Goebkes
Topic: 556 Message: 594

Hi Sid,

it is important to remoce the sleeve from the coax and tin the whole shield to make it stiff. Then traighten the coaxial cable
(roll it on the table with a sheet of wood is the easiest way..)
and cut them into the correct length. This can easily be done by pressing a sharp knive on the tinned shield an roll the coax below the knive. Then take the two sides, brake the shield and remove the excess. Tínning is simply possible, because RG178 is fully made from PTFE and heat resistant to soldering temperatures.
Only the tinned shield will brake at the precutted place while the PTFE inner lead is untouched.

The sleeve removing of the Coax is essential because you have to place the Ferrite beads as tight as possible to the coax to get highest possible inductivity. Ferrite is not conductive so this is no problem.

best regards & 73

Helmut, DB1CC

595. Re: [n2adr-sdr] Re: precision RF Bridge for use with N2ADR/HiQSDR as VNA

Yahoo group: n2adr-sdr
Date: 2012-06-22 20:44:05 UTC
From: Sid Boyce
Topic: 556 Message: 595

Thanks Helmut,
I wondered if the new ferites had smaller holes than the ones you used.
No fear of the RG178 without the sheaf as that's how I've built many RF transformers - brass tubes and PCB end pieces to form a one turn winding.

OK, I'll tin the RG178 braid.
73 ... Sid.

On 22/06/12 16:59, Helmut Goebkes wrote:
>
>
> Hi Sid,
>
> it is important to remoce the sleeve from the coax and tin the whole
> shield to make it stiff. Then traighten the coaxial cable
> (roll it on the table with a sheet of wood is the easiest way..)
> and cut them into the correct length. This can easily be done by
> pressing a sharp knive on the tinned shield an roll the coax below the
> knive. Then take the two sides, brake the shield and remove the
> excess. T?nning is simply possible, because RG178 is fully made from
> PTFE and heat resistant to soldering temperatures.
> Only the tinned shield will brake at the precutted place while the
> PTFE inner lead is untouched.
>
> The sleeve removing of the Coax is essential because you have to place
> the Ferrite beads as tight as possible to the coax to get highest
> possible inductivity. Ferrite is not conductive so this is no problem.
>
> best regards & 73
>
> Helmut, DB1CC
>
>

--
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596. Friedrichshafen

Yahoo group: n2adr-sdr
Date: 2012-06-23 01:46:56 UTC
From: Sid Boyce
Topic: 596 Message: 596

Are any of you guys there and is HiQSDR getting a showing?
73 ... Sid.

--
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597. Attn: Helmut

Yahoo group: n2adr-sdr
Date: 2012-07-02 20:48:06 UTC
From: Sid Boyce
Topic: 597 Message: 597

Regarding the Filter Module Set - Can you supply the capacitors?
Getting them in small quantities presents a problem.
73 ... Sid.

--
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598. Re: Attn: Sid

Yahoo group: n2adr-sdr
Date: 2012-07-03 13:18:01 UTC
From: Helmut Goebkes
Topic: 597 Message: 598

Hi Sid,

yeah, i understand.
In principle it is no problem to make a kit of all BF filter parts,
i have all on stock.
But the many different caps where you need only one or two makes the
counting, marking and packing a horrible work wich costs more than the parts ;-(

But i will think about it and find a solution ;-)

@ the other hand, i can supply partly built BP flter panels with all
parts soldered but without toroids, wich can be the better solving of this problem. Offer going next few hours to my homepage.

73!

Helmut, DB1CC

599. Re: [n2adr-sdr] Re: Attn: Sid

Yahoo group: n2adr-sdr
Date: 2012-07-03 14:50:17 UTC
From: Sid Boyce
Topic: 597 Message: 599

Thanks Helmut,
I'd been thinking along the same lines and hoping that the Filter Kit
would be offered with only the Toroids to wind.
I'll check the site out later.
I emailed sales@... also asking for the shipping cost to
the UK for the following.
Preselector Built and tested
Filter Module set
Micrometals male and female connectors for Filter Module
Amidon T30 Toroid set
73 ... Sid.

On 03/07/12 14:18, Helmut Goebkes wrote:
>
> Hi Sid,
>
> yeah, i understand.
> In principle it is no problem to make a kit of all BF filter parts,
> i have all on stock.
> But the many different caps where you need only one or two makes the
> counting, marking and packing a horrible work wich costs more than the
> parts ;-(
>
> But i will think about it and find a solution ;-)
>
> @ the other hand, i can supply partly built BP flter panels with all
> parts soldered but without toroids, wich can be the better solving of
> this problem. Offer going next few hours to my homepage.
>
> 73!
>
> Helmut, DB1CC
>
>

--
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600. New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-07 16:26:46 UTC
From: jimahlstrom
Topic: 600 Message: 600

Hello all,

I was trying to control my hardware with hamlib and discovered that there are no "get" commands. Apparently the code predates the "Qs" command that returns the current state. The relevant file is kit/hiqsdr.c in the hamlib distribution.

I have been working on hiqsdr.c, and I added all the "get" commands. I also changed the attenuator code as this seemed incorrect. I am now ready to submit the new code to the hamlib developers.

I have two questions. Is anyone out there actually using hamlib? If so I can send the new code, and take feature requests. Second, is there anyone who can test the new code? I don't have the HiQSDR hardware, so I am flying a bit blind.

Jim
N2ADR

601. Re: [n2adr-sdr] New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-07 19:49:56 UTC
From: Sid Boyce
Topic: 600 Message: 601

I tried hamlib 1.2.15_git upstream some months ago with and without grig
and found it was not up to date for the HiQSDR.
I can help with testing.
73 ... Sid.

On 07/07/12 17:26, jimahlstrom wrote:
>
> Hello all,
>
> I was trying to control my hardware with hamlib and discovered that
> there are no "get" commands. Apparently the code predates the "Qs"
> command that returns the current state. The relevant file is
> kit/hiqsdr.c in the hamlib distribution.
>
> I have been working on hiqsdr.c, and I added all the "get" commands. I
> also changed the attenuator code as this seemed incorrect. I am now
> ready to submit the new code to the hamlib developers.
>
> I have two questions. Is anyone out there actually using hamlib? If so
> I can send the new code, and take feature requests. Second, is there
> anyone who can test the new code? I don't have the HiQSDR hardware, so
> I am flying a bit blind.
>
> Jim
> N2ADR
>
>

--
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602. Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-09 13:29:34 UTC
From: jimahlstrom
Topic: 600 Message: 602

Hi Sid,

I will send you the source file hiqsdr.c and the binary hamlib-kit.so in another email. You can use the command line program rigctl to do the testing. These commands are available in both get and set versions:

f Rx frequency
t PTT
y Antenna 1 or 2
l Level of PREAMP, ATT, RFPOWER
s Split VFO 0 or 1
i Tx frequency
m Mode CW or not CW (USB returned)

Thanks for testing.

Jim
N2ADR

603. Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-09 13:34:46 UTC
From: df1bb
Topic: 600 Message: 603

Hi,

I am also interested in testing your hamlib code with my HiQSDR.

73 Bjoern, DF1BB

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello all,
>
> I was trying to control my hardware with hamlib and discovered that there are no "get" commands. Apparently the code predates the "Qs" command that returns the current state. The relevant file is kit/hiqsdr.c in the hamlib distribution.
>
> I have been working on hiqsdr.c, and I added all the "get" commands. I also changed the attenuator code as this seemed incorrect. I am now ready to submit the new code to the hamlib developers.
>
> I have two questions. Is anyone out there actually using hamlib? If so I can send the new code, and take feature requests. Second, is there anyone who can test the new code? I don't have the HiQSDR hardware, so I am flying a bit blind.
>
> Jim
> N2ADR
>

604. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2012-07-09 13:35:42 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 604

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /hiqsdr.c
Uploaded by : jimahlstrom <jahlstr@...>
Description : New HamLib support for HiQSDR

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/hiqsdr.c

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

jimahlstrom <jahlstr@...>

605. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-09 13:33:31 UTC
From: Sid Boyce
Topic: 600 Message: 605

Thanks Jim,
I'll get to it in a few days.
73 ... Sid.

On 09/07/12 14:29, jimahlstrom wrote:
>
> Hi Sid,
>
> I will send you the source file hiqsdr.c and the binary hamlib-kit.so
> in another email. You can use the command line program rigctl to do
> the testing. These commands are available in both get and set versions:
>
> f Rx frequency
> t PTT
> y Antenna 1 or 2
> l Level of PREAMP, ATT, RFPOWER
> s Split VFO 0 or 1
> i Tx frequency
> m Mode CW or not CW (USB returned)
>
> Thanks for testing.
>
> Jim
> N2ADR
>
>

--
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606. Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-09 13:45:42 UTC
From: jimahlstrom
Topic: 600 Message: 606

Hello,

I now see that I can upload the files to this group, so I have done so. Please feel free to test these new features. The hamlib-kit.so was made on the newest Ubuntu so maybe you don't need to rebuild HamLib from source.

Note that you should be able to use Quisk or other software to control HiQSDR and simultaneously use rigctl or other HamLib client to query (but not set) the hardware. That is, HiQSDR can handle multiple clients. But how to handle multiple clients that attempt to set parameters to different values is an unsolved problem.

Jim
N2ADR

607. Re: [n2adr-sdr] Re: Attn: Sid

Yahoo group: n2adr-sdr
Date: 2012-07-12 16:03:10 UTC
From: Sid Boyce
Topic: 597 Message: 607

About an hour ago the Preselector package was delivered, all present and
correct.

I have to get around to winding the toroids and either making up
interconnecting leads or buying some SMA couplers.
73 ... Sid.

On 03/07/12 15:50, Sid Boyce wrote:
>
> Thanks Helmut,
> I'd been thinking along the same lines and hoping that the Filter Kit
> would be offered with only the Toroids to wind.
> I'll check the site out later.
> I emailed sales@... also asking for the shipping cost
> to the UK for the following.
> Preselector Built and tested
> Filter Module set
> Micrometals male and female connectors for Filter Module
> Amidon T30 Toroid set
> 73 ... Sid.
>
> On 03/07/12 14:18, Helmut Goebkes wrote:
>>
>> Hi Sid,
>>
>> yeah, i understand.
>> In principle it is no problem to make a kit of all BF filter parts,
>> i have all on stock.
>> But the many different caps where you need only one or two makes the
>> counting, marking and packing a horrible work wich costs more than
>> the parts ;-(
>>
>> But i will think about it and find a solution ;-)
>>
>> @ the other hand, i can supply partly built BP flter panels with all
>> parts soldered but without toroids, wich can be the better solving of
>> this problem. Offer going next few hours to my homepage.
>>
>> 73!
>>
>> Helmut, DB1CC
>>
>
>
>

--
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608. Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-24 18:43:58 UTC
From: dg9bfj
Topic: 608 Message: 608

Hello

I was looking for a shortwave SDR Trx that can be used standalone i.e. without the need of an extra PC. I have build the DL7IY SDR with analog I/Q mixer and AL3101 decoder. Then I came across this project and now I am thinking to swap over to use this concept. As I do not want to connect my laptop to the Trx all the time my idea was to use the Raspberry Pi <http://www.raspberrypi.org/> as the controller and a 7" touch screen (800x400) or similar to controll the Trx. This should all fit into a case that has the size of a modern Trx. The Raspberry is quite small and has all the needed components and costs only 35 GBP. Here are some details.

Raspberry Pi

* SoC Broadcom BCM2835 (CPU, GPU, DSP, and SDRAM)
* CPU: 700 MHz ARM1176JZF-S core (ARM11 family)
* GPU: Broadcom VideoCore IV, OpenGL ES 2.0, 1080p30 h.264/MPEG-4 AVC high-profile decoder
* Memory (SDRAM): 256 Megabytes (MiB)
* Video outputs: Composite RCA, HDMI
* Audio outputs: 3.5 mm jack, HDMI
* Onboard storage: SD, MMC, SDIO card slot
* 10/100 Ethernet RJ45 onboard network
* Storage via SD/ MMC/ SDIO card slot

Would this be possible? Has the Raspberry enough power for the SDR?

If this all works it would be nice later to add some sort of buttons for the direct frequency input and a dial for the frequency. The rest can be done via touch panel.

Any comments are welcome.

Marcus

609. Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-24 19:12:02 UTC
From: Edson W. R. Pereira
Topic: 608 Message: 609

Hello Marcus,

The Raspberry PI is getting a lot of attention here in the group lately. It has some very nice capabilities, but it may take some time for us to get a grasp on its real capabilities. I for one would like to play with the board, but I don´t own one yet. So far we know that the board lacks some things important for SDR -- like a stereo audio codec. We could remediate this by using an external USB codec. I am considering, however, offloading the DSP to an external DSP with its own codec and use the Raspberry PI (or the BeagleBoard) for the user interface (waterfall, etc) and control. TI has a USB stick that incorporates a DSP and an audio codec that is very promising for this purpose. The TLV320AIC3254 USB Evaluation Module.

http://www.ti.com/tool/tlv320aic3254evm-u

73,

-- Edson, py2sdr (ex pu2mwd, jf1afn, 7n4ncl, n1vtn, pu1jte)

On Tue, Jul 24, 2012 at 3:43 PM, dg9bfj <Marcuspool@...> wrote:
>
>
>
> Hello
>
> I was looking for a shortwave SDR Trx that can be used standalone i.e. without the need of an extra PC. I have build the DL7IY SDR with analog I/Q mixer and AL3101 decoder. Then I came across this project and now I am thinking to swap over to use this concept. As I do not want to connect my laptop to the Trx all the time my idea was to use the Raspberry Pi as the controller and a 7" touch screen (800x400) or similar to controll the Trx. This should all fit into a case that has the size of a modern Trx. The Raspberry is quite small and has all the needed components and costs only 35 GBP. Here are some details.
>
> Raspberry Pi
>
> SoC Broadcom BCM2835 (CPU, GPU, DSP, and SDRAM)
> CPU: 700 MHz ARM1176JZF-S core (ARM11 family)
> GPU: Broadcom VideoCore IV, OpenGL ES 2.0, 1080p30 h.264/MPEG-4 AVC high-profile decoder
> Memory (SDRAM): 256 Megabytes (MiB)
> Video outputs: Composite RCA, HDMI
> Audio outputs: 3.5 mm jack, HDMI
> Onboard storage: SD, MMC, SDIO card slot
> 10/100 Ethernet RJ45 onboard network
> Storage via SD/ MMC/ SDIO card slot
>

> Would this be possible? Has the Raspberry enough power for the SDR?
>
> If this all works it would be nice later to add some sort of buttons for the direct frequency input and a dial for the frequency. The rest can be done via touch panel.
>
> Any comments are welcome.
>
> Marcus
>
>

610. Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 11:39:25 UTC
From: Helmut Göbkes
Topic: 608 Message: 610

Hello Marcus

i got a Raspberry Pi (B) last week and test the possibilities of this with HiQSDR
the next few days - but in my opinion, 700 MHz is not fast enough on this platform
for full Quisk operation.
The Raspberry also misses some audio features, so this is not the best solution, but
maybe it is working as a server for QTRadio - i'll keep you informed!

Helmut, DB1CC

611. RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 12:59:16 UTC
From: Marciniak, Ed
Topic: 608 Message: 611

So, that EVM has a USB 1.1 interface that will run at 12mbps. How exactly are you going to get 2 stereo pairs in/out at anything better than 48KHz?

-----Original Message-----
From: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] On Behalf Of Edson W. R. Pereira
Sent: Tuesday, July 24, 2012 2:12 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Hello Marcus,

The Raspberry PI is getting a lot of attention here in the group lately. It has some very nice capabilities, but it may take some time for us to get a grasp on its real capabilities. I for one would like to play with the board, but I don´t own one yet. So far we know that the board lacks some things important for SDR -- like a stereo audio codec. We could remediate this by using an external USB codec. I am considering, however, offloading the DSP to an external DSP with its own codec and use the Raspberry PI (or the BeagleBoard) for the user interface (waterfall, etc) and control. TI has a USB stick that incorporates a DSP and an audio codec that is very promising for this purpose. The TLV320AIC3254 USB Evaluation Module.

http://www.ti.com/tool/tlv320aic3254evm-u

73,

-- Edson, py2sdr (ex pu2mwd, jf1afn, 7n4ncl, n1vtn, pu1jte)

On Tue, Jul 24, 2012 at 3:43 PM, dg9bfj <Marcuspool@...> wrote:
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> Hello
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> I was looking for a shortwave SDR Trx that can be used standalone i.e. without the need of an extra PC. I have build the DL7IY SDR with analog I/Q mixer and AL3101 decoder. Then I came across this project and now I am thinking to swap over to use this concept. As I do not want to connect my laptop to the Trx all the time my idea was to use the Raspberry Pi as the controller and a 7" touch screen (800x400) or similar to controll the Trx. This should all fit into a case that has the size of a modern Trx. The Raspberry is quite small and has all the needed components and costs only 35 GBP. Here are some details.
>
> Raspberry Pi
>
> SoC Broadcom BCM2835 (CPU, GPU, DSP, and SDRAM)
> CPU: 700 MHz ARM1176JZF-S core (ARM11 family)
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> high-profile decoder Memory (SDRAM): 256 Megabytes (MiB) Video
> outputs: Composite RCA, HDMI Audio outputs: 3.5 mm jack, HDMI Onboard
> storage: SD, MMC, SDIO card slot
> 10/100 Ethernet RJ45 onboard network
> Storage via SD/ MMC/ SDIO card slot
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> Would this be possible? Has the Raspberry enough power for the SDR?
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> If this all works it would be nice later to add some sort of buttons for the direct frequency input and a dial for the frequency. The rest can be done via touch panel.
>
> Any comments are welcome.
>
> Marcus
>
>

Yahoo! Groups Links

612. Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 13:04:04 UTC
From: Sid Boyce
Topic: 608 Message: 612

The problem with quisk is it being written largely in python which is an interpreted language so the likes of the BeagleBoard XM and RasPi are not powerful enough.

On the Beagleboard XM the audio from quisk came in intermittent 1 second bursts.

I have had hiqsdr-server and dspserver running on the Pandaboard (not ES) but lately everything seems OK but it's not registering on the network. QtRadio audio-testing branch works.

With HiQSDR the Pandaboard is running quisk but I'm getting errors with OnGraphData, seen this long ago but can't remember what fixes it. There is no graph when the Graph button is active, graph but no waterfall when WFall button is active, sound is 100% OK.
73 ... Sid.

On 25/07/12 12:39, Helmut G?bkes wrote:
> Hello Marcus
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> Helmut, DB1CC
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

613. Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 14:25:13 UTC
From: Sid Boyce
Topic: 608 Message: 613

I can't get the RasPi to play a simple .wav file. The only sound I have had from it was running QtRadio, disconnecting and as the waterfall quits I get HDMI sound from the LCD monitor until the disconnect completes.

I was hoping to use a USB 100Mbit ethernet for the 192.168.2.x interface but the 2 I have tried seem to cause errors on eth0 which fails and it doesn't return to the prompt until eth1 is unplugged.
The dm9601 module for eth1 gets loaded.
73 ... Sid.

On 25/07/12 14:04, Sid Boyce wrote:
>
> The problem with quisk is it being written largely in python which is an
> interpreted language so the likes of the BeagleBoard XM and RasPi are
> not powerful enough.
>
> On the Beagleboard XM the audio from quisk came in intermittent 1 second
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> network. QtRadio audio-testing branch works.
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614. RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 15:30:32 UTC
From: MIKE DURKIN
Topic: 608 Message: 614

I don't see why you need more than 48Khz ... its just nice to see more

-----Original Message-----

From: Marciniak, Ed
Sent: 25 Jul 2012 12:55:31 GMT
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

So, that EVM has a USB 1.1 interface that will run at 12mbps. How exactly are you going to get 2 stereo pairs in/out at anything better than 48KHz?

-----Original Message-----
From: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] On Behalf Of Edson W. R. Pereira
Sent: Tuesday, July 24, 2012 2:12 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

Hello Marcus,

The Raspberry PI is getting a lot of attention here in the group lately. It has some very nice capabilities, but it may take some time for us to get a grasp on its real capabilities. I for one would like to play with the board, but I don´t own one yet. So far we know that the board lacks some things important for SDR -- like a stereo audio codec. We could remediate this by using an external USB codec. I am considering, however, offloading the DSP to an external DSP with its own codec and use the Raspberry PI (or the BeagleBoard) for the user interface (waterfall, etc) and control. TI has a USB stick that incorporates a DSP and an audio codec that is very promising for this purpose. The TLV320AIC3254 USB Evaluation Module.

http://www.ti.com/tool/tlv320aic3254evm-u

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-- Edson, py2sdr (ex pu2mwd, jf1afn, 7n4ncl, n1vtn, pu1jte)

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as the controller and a 7" touch screen (800x400) or similar to controll the Trx. This should all fit into a case that has the size of a modern Trx. The Raspberry is quite small and has all the needed components and costs only 35 GBP. Here are some details.
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> Marcus
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Yahoo! Groups Links

615. RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-25 23:19:32 UTC
From: Marciniak, Ed
Topic: 608 Message: 615
Attachments: 2 described; binary payloads are missing from this source WARC

Well, I guess a Pi probably won't be fast enough to run a HiQSDR anyway. I was thinking more along the idea of a QSD with enough bandwidth to show ARPR and beacon band simultaneously.

From: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] On Behalf Of MIKE DURKIN
Sent: Wednesday, July 25, 2012 10:31 AM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

I don't see why you need more than 48Khz ... its just nice to see more

-----Original Message-----

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Sent: 25 Jul 2012 12:55:31 GMT
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] Raspberry Pi and HiQSDR?

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From: n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>
[mailto:n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>] On Behalf Of Edson W. R. Pereira
Sent: Tuesday, July 24, 2012 2:12 PM
To: n2adr-sdr@yahoogroups.com<mailto:n2adr-sdr%40yahoogroups.com>
Subject: Re: [n2adr-sdr] Raspberry Pi and HiQSDR?

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Yahoo! Groups Links

616. Re: Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-26 15:52:47 UTC
From: dg9bfj
Topic: 608 Message: 616

Hello

I would be nice to use the RasPi and Quisk because it is a very small and cheap single board computer. But we will see what your tests will come up with. Do you know of any other single board computers that can be used? I still have the dream to setup a SDR system with a reasonably priced board to install it in a 19" 3HU case. I think the BeagleBoard will also be to slow for the setup?

Marcus

--- In n2adr-sdr@yahoogroups.com, Helmut Göbkes <hgoebkes@...> wrote:
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617. Re: Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-26 18:34:46 UTC
From: Stefan
Topic: 608 Message: 617

soon available: look here:
http://www.tomshardware.com/news/ODROID-X-Raspberry-Pi-Quad-Core-Buy-Online,16293.html

--- In n2adr-sdr@yahoogroups.com, "dg9bfj" <Marcuspool@...> wrote:
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618. Re: Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-26 19:38:15 UTC
From: dg9bfj
Topic: 608 Message: 618

Shipping will start end of July. First come first served. Shipping and handling will be 30$.
Some hardware details:

http://www.hardkernel.com/renewal_2011/products/prdt_info.php?g_code=G133999328931

--- In n2adr-sdr@yahoogroups.com, "Stefan" <dk6px@...> wrote:
>
> soon available: look here:
> http://www.tomshardware.com/news/ODROID-X-Raspberry-Pi-Quad-Core-Buy-Online,16293.html
>
> --- In n2adr-sdr@yahoogroups.com, "dg9bfj" <Marcuspool@> wrote:
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619. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-13 14:26:19 UTC
From: Sid Boyce
Topic: 600 Message: 619

```
Hi Jim,
I just got my HiQSDR board set up fro RX only and have done some
preliminary tests, more to follow.
I also tried grig-0.8.0 but that is looking for ttyS0 and does not start
- to be looked at later.

tindog:/opt/quisk-3.6.2 # rigctl -m 2514

Rig command: ?
Commands (some may not be available for this rig):
F: set_freq (Frequency) f: get_freq ()
M: set_mode (Mode,Passband) m: get_mode ()
I: set_split_freq (TX Frequency) i: get_split_freq ()
X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
N: set_ts (Tuning Step) n: get_ts ()
L: set_level (Level,Level Value) l: get_level (Level)
U: set_func (Func,Func Status) u: get_func (Func)
P: set_parm (Parm,Parm Value) p: get_parm (Parm)
G: vfo_op (Mem/VFO Op) g: scan (Scan Fct,Scan
Channel)
A: set_trn (Transceive) a: get_trn ()
R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()
C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
D: set_dcs_code (DCS Code) d: get_dcs_code ()
?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
V: set_vfo (VFO) v: get_vfo ()
T: set_ptt (PTT) t: get_ptt ()
E: set_mem (Memory#) e: get_mem ()
H: set_channel (Channel) h: get_channel (Channel)
B: set_bank (Bank) _: get_info ()
J: set_rit (RIT) j: get_rit ()
Z: set_xit (XIT) z: get_xit ()
Y: set_ant (Antenna) y: get_ant ()
?: set_powerstat (Power Status) ?: get_powerstat ()
?: send_dtmf (Digits) ?: recv_dtmf ()
*: reset (Reset) w: send_cmd (Cmd)
b: send_morse (Morse) ?: get_dcd ()
2: power2mW (Power [0.0..1.0],Frequency,Mode) 4: mW2power
(Power mW,Frequency,Mode)
1: dump_caps () 3: dump_conf ()
?: dump_state () ?: chk_vfo ()
?: halt ()
```

```
Rig command: f
Frequency: 14200000

Rig command: F 14210000
Frequency:
Rig command: f
Frequency: 14210000

Rig command: m
Mode: USB
Passband: 2800

Rig command: e
get_mem: error = Feature not available

Rig command: y
Antenna: 0

Rig command: Y 1
Antenna:
Rig command: y
Antenna: 1

Rig command: Y 0
Antenna:
Rig command: a
Transceive: OFF

Rig command: A 1
Transceive: set_trn: error = Invalid parameter

Rig command: A
Transceive: ON
set_trn: error = Feature not available

Rig command: a
Transceive: OFF

Rig command: :_

Rig command: Info: None

Rig command: _
Info: None

Rig command: 3
rig_pathname: "Path name to the device file of the rig"
Default: /dev/rig, Value: 192.168.2.196:48248
String.
write_delay: "Delay in ms between each byte sent out"
Default: 0, Value: 0
Range: 0.0..1000.0, step 1.0
post_write_delay: "Delay in ms between each command sent out"
```

```
Default: 0, Value: 0
Range: 0.0..1000.0, step 1.0
timeout: "Timeout in ms"
Default: 0, Value: 500
Range: 0.0..10000.0, step 1.0
retry: "Max number of retry"
Default: 0, Value: 0
Range: 0.0..10.0, step 1.0
itu_region: "ITU region this rig has been manufactured for (freq. band
plan)"
Default: 0, Value: 2
Range: 1.0..3.0, step 1.0
vfo_comp: "VFO compensation in ppm"
Default: 0, Value: 0.000000
Range: 0.0..1000.0, step 0.0
poll_interval: "Polling interval in millisecond for transceive emulation"
Default: 500, Value: 500
Range: 0.0..1000000.0, step 1.0
ptt_type: "Push-To-Talk interface type override"
Default: RIG, Value:
Combo: RIG, DTR, RTS, Parallel, CM108, None
ptt_pathname: "Path name to the device file of the Push-To-Talk"
Default: /dev/rig, Value:
String.
ptt_bitnum: "Push-To-Talk GPIO bit number"
Default: 2, Value:
Range: 0.0..7.0, step 1.0
dcd_type: "Data Carrier Detect (or squelch) interface type override"
Default: RIG, Value:
Combo: RIG, DSR, CTS, CD, Parallel, CM108, None
dcd_pathname: "Path name to the device file of the Data Carrier Detect
(or squelch)"
Default: /dev/rig, Value:
String.
osc_freq: "Oscillator frequency of reference clock in Hz"
Default: 122880000, Value: 122880000.000000
Range: 0.0..256000000.0, step 1.0
sample_rate: "Sample rate"
Default: 48000, Value: 48000
Range: 48000.0..1920000.0, step 1.0

Rig command:
73 ... Sid.

On 09/07/12 14:29, jimahlstrom wrote:
>
> Hi Sid,
>
> I will send you the source file hiqsdr.c and the binary hamlib-kit.so
> in another email. You can use the command line program rigctl to do
> the testing. These commands are available in both get and set versions:
```

>
> f Rx frequency
> t PTT
> y Antenna 1 or 2
> l Level of PREAMP, ATT, RFPOWER
> s Split VFO 0 or 1
> i Tx frequency
> m Mode CW or not CW (USB returned)
>
> Thanks for testing.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

620. Re: [n2adr-sdr] Re: Raspberry Pi and HiQSDR?

Yahoo group: n2adr-sdr
Date: 2012-07-26 21:45:45 UTC
From: Sid Boyce
Topic: 608 Message: 620

I already mentioned above that quisk being written largely in python
which is an interpreted language needs resources beyond what the RasPi
can offer.

I'm running the raspbian distribution
root@raspberrypi:~# cat /proc/cpuinfo
Processor : ARMv6-compatible processor rev 7 (v6l)
BogoMIPS : 852.78
Features : swp half thumb fastmult vfp edsp java tls
CPU implementer : 0x41
CPU architecture: 7
CPU variant : 0x0
CPU part : 0xb76
CPU revision : 7

Hardware : BCM2708
Revision : 0002
Serial : 00000000f92c07c9
root@raspberrypi:~#
I still have not been able to get any sound out of the 3.5mm socket.
root@raspberrypi:~# cat /proc/asound/cards
0 [ALSA]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
bcm2835 ALSA
root@raspberrypi:~# fuser -v /dev/snd/*
USER PID ACCESS COMMAND
/dev/snd/controlC0: pulse 1217 F.... pulseaudio

Adding a USB Ethernet causes errors on eth0, ifconfig hangs until eth1
is unplugged.

Running quisk on the Pandaboard CPU usage is between 84% and 99% but the
audio is clean.

On a Beagleboard XM audio was in 1 second intermittent bursts so was not
intelligible.

While the Pandaboard is fine, the Pandaboard ES even more so, the
Hardkernel board with 4 1.4GHz cores looks like it would probably be the
best future board.
73 ... Sid.

On 26/07/12 16:52, dg9bfj wrote:
>
> Hello
>
> I would be nice to use the RasPi and Quisk because it is a very small
> and cheap single board computer. But we will see what your tests will

> come up with. Do you know of any other single board computers that can
> be used? I still have the dream to setup a SDR system with a
> reasonably priced board to install it in a 19" 3HU case. I think the
> BeagleBoard will also be to slow for the setup?
>
> Marcus
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Helmut G?bkes <hgoebkes@...> wrote:
> >
> > Hello Marcus
> >
> > i got a Raspberry Pi (B) last week and test the possibilities of
> this with
> > HiQSDR
> > the next few days - but in my opinion, 700 MHz is not fast enough on
> this
> > platform
> > for full Quisk operation.
> > The Raspberry also misses some audio features, so this is not the best
> > solution, but
> > maybe it is working as a server for QTRadio - i'll keep you informed!
> >
> > Helmut, DB1CC
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

621. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-26 22:31:25 UTC
From: Sid Boyce
Topic: 600 Message: 621

This seems to have got stuck in the system somewhere since 31st. July.

Grig appears to be no longer maintained.
73 ... Sid.

On 13/07/12 15:26, Sid Boyce wrote:
>
> Hi Jim,
> I just got my HiQSDR board set up fro RX only and have done some
> preliminary tests, more to follow.
> I also tried grig-0.8.0 but that is looking for ttyS0 and does not
> start - to be looked at later.
>
> tindog:/opt/quisk-3.6.2 # rigctl -m 2514
>
> Rig command: ?
> Commands (some may not be available for this rig):
> F: set_freq (Frequency) f: get_freq ()
> M: set_mode (Mode,Passband) m: get_mode ()
> I: set_split_freq (TX Frequency) i: get_split_freq ()
> X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
> S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
> N: set_ts (Tuning Step) n: get_ts ()
> L: set_level (Level,Level Value) l: get_level (Level)
> U: set_func (Func,Func Status) u: get_func (Func)
> P: set_parm (Parm,Parm Value) p: get_parm (Parm)
> G: vfo_op (Mem/VFO Op) g: scan (Scan Fct,Scan Channel)
> A: set_trn (Transceive) a: get_trn ()
> R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
> O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()
> C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
> D: set_dcs_code (DCS Code) d: get_dcs_code ()
> ?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
> ?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
> V: set_vfo (VFO) v: get_vfo ()
> T: set_ptt (PTT) t: get_ptt ()
> E: set_mem (Memory#) e: get_mem ()
> H: set_channel (Channel) h: get_channel (Channel)
> B: set_bank (Bank) _: get_info ()
> J: set_rit (RIT) j: get_rit ()
> Z: set_xit (XIT) z: get_xit ()
> Y: set_ant (Antenna) y: get_ant ()
> ?: set_powerstat (Power Status) ?: get_powerstat ()
> ?: send_dtmf (Digits) ?: recv_dtmf ()
> *: reset (Reset) w: send_cmd (Cmd)

```
> b: send_morse (Morse) ?: get_dcd ()
> 2: power2mW (Power [0.0..1.0],Frequency,Mode) 4:
> mW2power (Power mW,Frequency,Mode)
> 1: dump_caps () 3: dump_conf ()
> ?: dump_state () ?: chk_vfo ()
> ?: halt ()
> Rig command: f
> Frequency: 14200000
>
> Rig command: F 14210000
> Frequency:
> Rig command: f
> Frequency: 14210000
>
> Rig command: m
> Mode: USB
> Passband: 2800
>
> Rig command: e
> get_mem: error = Feature not available
>
> Rig command: y
> Antenna: 0
>
> Rig command: Y 1
> Antenna:
> Rig command: y
> Antenna: 1
>
> Rig command: Y 0
> Antenna:
> Rig command: a
> Transceive: OFF
>
> Rig command: A 1
> Transceive: set_trn: error = Invalid parameter
>
> Rig command: A
> Transceive: ON
> set_trn: error = Feature not available
>
> Rig command: a
> Transceive: OFF
>
> Rig command: :_
>
> Rig command: Info: None
>
> Rig command: _
> Info: None
```

```
>
> Rig command: 3
> rig_pathname: "Path name to the device file of the rig"
> Default: /dev/rig, Value: 192.168.2.196:48248
> String.
> write_delay: "Delay in ms between each byte sent out"
> Default: 0, Value: 0
> Range: 0.0..1000.0, step 1.0
> post_write_delay: "Delay in ms between each command sent out"
> Default: 0, Value: 0
> Range: 0.0..1000.0, step 1.0
> timeout: "Timeout in ms"
> Default: 0, Value: 500
> Range: 0.0..10000.0, step 1.0
> retry: "Max number of retry"
> Default: 0, Value: 0
> Range: 0.0..10.0, step 1.0
> itu_region: "ITU region this rig has been manufactured for (freq. band
> plan)"
> Default: 0, Value: 2
> Range: 1.0..3.0, step 1.0
> vfo_comp: "VFO compensation in ppm"
> Default: 0, Value: 0.000000
> Range: 0.0..1000.0, step 0.0
> poll_interval: "Polling interval in millisecond for transceive emulation"
> Default: 500, Value: 500
> Range: 0.0..1000000.0, step 1.0
> ptt_type: "Push-To-Talk interface type override"
> Default: RIG, Value:
> Combo: RIG, DTR, RTS, Parallel, CM108, None
> ptt_pathname: "Path name to the device file of the Push-To-Talk"
> Default: /dev/rig, Value:
> String.
> ptt_bitnum: "Push-To-Talk GPIO bit number"
> Default: 2, Value:
> Range: 0.0..7.0, step 1.0
> dcd_type: "Data Carrier Detect (or squelch) interface type override"
> Default: RIG, Value:
> Combo: RIG, DSR, CTS, CD, Parallel, CM108, None
> dcd_pathname: "Path name to the device file of the Data Carrier Detect
> (or squelch)"
> Default: /dev/rig, Value:
> String.
> osc_freq: "Oscillator frequency of reference clock in Hz"
> Default: 122880000, Value: 122880000.000000
> Range: 0.0..256000000.0, step 1.0
> sample_rate: "Sample rate"
> Default: 48000, Value: 48000
> Range: 48000.0..1920000.0, step 1.0
>
```

> Rig command:
> 73 ... Sid.
>
> On 09/07/12 14:29, jimahlstrom wrote:
>>
>> Hi Sid,
>>
>> I will send you the source file hiqsdr.c and the binary hamlib-kit.so
>> in another email. You can use the command line program rigctl to do
>> the testing. These commands are available in both get and set versions:
>>
>> f Rx frequency
>> t PTT
>> y Antenna 1 or 2
>> l Level of PREAMP, ATT, RFPOWER
>> s Split VFO 0 or 1
>> i Tx frequency
>> m Mode CW or not CW (USB returned)
>>
>> Thanks for testing.
>>
>> Jim
>> N2ADR
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
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622. Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-29 12:54:29 UTC
From: jimahlstrom
Topic: 600 Message: 622

Hi,

It looks to me that the code works. Is that correct? Did you find anything wrong? I want to send the code to the HamLib group soon.

Jim
N2ADR

623. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-29 14:36:28 UTC
From: Sid Boyce
Topic: 600 Message: 623

```
Hi Jim,
So far many things work so it's worth sending upstream.
lancelot@slipstream:/HAMRADIO/SDR> rigctl -m 2514

Rig command: ?
Commands (some may not be available for this rig):
F: set_freq (Frequency) f: get_freq ()
M: set_mode (Mode,Passband) m: get_mode ()
I: set_split_freq (TX Frequency) i: get_split_freq ()
X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
N: set_ts (Tuning Step) n: get_ts ()
L: set_level (Level,Level Value) l: get_level (Level)
U: set_func (Func,Func Status) u: get_func (Func)
P: set_parm (Parm,Parm Value) p: get_parm (Parm)
G: vfo_op (Mem/VFO Op) g: scan (Scan Fct,Scan
Channel)
A: set_trn (Transceive) a: get_trn ()
R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()
C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
D: set_dcs_code (DCS Code) d: get_dcs_code ()
?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
V: set_vfo (VFO) v: get_vfo ()
T: set_ptt (PTT) t: get_ptt ()
E: set_mem (Memory#) e: get_mem ()
H: set_channel (Channel) h: get_channel (Channel)
B: set_bank (Bank) _: get_info ()
J: set_rit (RIT) j: get_rit ()
Z: set_xit (XIT) z: get_xit ()
Y: set_ant (Antenna) y: get_ant ()
?: set_powerstat (Power Status) ?: get_powerstat ()
?: send_dtmf (Digits) ?: recv_dtmf ()
*: reset (Reset) w: send_cmd (Cmd)
b: send_morse (Morse) ?: get_dcd ()
2: power2mW (Power [0.0..1.0],Frequency,Mode) 4: mW2power
(Power mW,Frequency,Mode)
1: dump_caps () 3: dump_conf ()
?: dump_state () ?: chk_vfo ()
?: halt ()
Rig command: f
Frequency: 7203500
```

```
Rig command: F 14200000
Frequency:
Rig command: f
Frequency: 14200000

Rig command: t
PTT: 0

Rig command: T

PTT: t
set_ptt: error = Invalid parameter

Rig command: t
PTT: 0

Rig command: T
PTT: 1

Rig command: t
PTT: 1

Rig command: T
PTT: 0

Rig command: 4
Power mW: 50
Frequency: ?
Mode: LSB
mW2power: error = Invalid parameter

Rig command: m
Mode: USB
Passband: 2800

Rig command: M
Mode: LSB
Passband: m
set_mode: error = Invalid parameter

Rig command: m
Mode: USB
Passband: 2800

Rig command: M
Mode: LSB
Passband: 2500

Rig command: m
Mode: USB
Passband: 2800

Rig command: M
Mode: CW
Passband: 1000
```

Rig command: m
Mode: CW
Passband: 500

Rig command:
73 ... Sid.

On 29/07/12 13:54, jimahlstrom wrote:
>
> Hi,
>
> It looks to me that the code works. Is that correct? Did you find
> anything wrong? I want to send the code to the HamLib group soon.
>
> Jim
> N2ADR
>
>

--
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Senior Staff Specialist, Cricket Coach
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624. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-29 14:38:46 UTC
From: Sid Boyce
Topic: 600 Message: 624

```
List of capabilities.
-------------------------
Rig command: 1
Caps dump for model: 2514
Model name: HiQSDR
Mfg name: N2ADR
Backend version: 0.2
Backend copyright: LGPL
Backend status: Untested
Rig type: Tuner
PTT type: Rig capable
DCD type: None
Port type: UDP Network link
Write delay: 0ms, timeout 500ms, 0 retry
Post Write delay: 0ms
Has targetable VFO: N
Has transceive: N
Announce: 0x0
Max RIT: -0.0kHz/+0.0kHz
Max XIT: -0.0kHz/+0.0kHz
Max IF-SHIFT: -0.0kHz/+0.0kHz
Preamp: 10dB
Attenuator: 2dB 4dB 6dB 10dB 20dB 30dB 44dB
CTCSS: None
DCS: None
Get functions:
Set functions:
Get level: PREAMP(0..0/0) ATT(0..0/0) RFPOWER(0..0/0)
Set level: PREAMP(0..0/0) ATT(0..0/0) RFPOWER(0..0/0)
Extra levels:
Get parameters:
Set parameters:
Extra parameters:
Mode list: CW DSB
VFO list: VFOA
VFO Ops:
Scan Ops:
Number of banks: 0
Memory name desc size: 0
Memories: None
TX ranges status, region 1: OK (0)
RX ranges status, region 1: OK (0)
TX ranges status, region 2: OK (0)
RX ranges status, region 2: OK (0)
Tuning steps:
```

```
1 Hz: CW DSB
Tuning steps status: OK (0)
Filters:
2.4 kHz: CW
ANY: CW DSB
Bandwidths:
CW Normal: 2.4 kHz, Narrow: 0 Hz, Wide: 0 Hz
Has priv data: N
Has Init: Y
Has Cleanup: Y
Has Open: Y
Has Close: Y
Can set Conf: Y
Can get Conf: Y
Can set Frequency: Y
Can get Frequency: Y
Can set Mode: Y
Can get Mode: Y
Can set VFO: N
Can get VFO: N
Can set PTT: Y
Can get PTT: Y
Can get DCD: N
Can set Repeater Duplex: N
Can get Repeater Duplex: N
Can set Repeater Offset: N
Can get Repeater Offset: N
Can set Split Freq: Y
Can get Split Freq: Y
Can set Split Mode: N
Can get Split Mode: N
Can set Split VFO: Y
Can get Split VFO: Y
Can set Tuning Step: N
Can get Tuning Step: N
Can set RIT: N
Can get RIT: N
Can set XIT: N
Can get XIT: N
Can set CTCSS: N
Can get CTCSS: N
Can set DCS: N
Can get DCS: N
Can set CTCSS Squelch: N
Can get CTCSS Squelch: N
Can set DCS Squelch: N
Can get DCS Squelch: N
Can set Power Stat: N
Can get Power Stat: N
Can Reset: N
```

```
Can get Ant: Y
Can set Ant: Y
Can set Transceive: N
Can get Transceive: N
Can set Func: N
Can get Func: N
Can set Level: Y
Can get Level: Y
Can set Param: N
Can get Param: N
Can send DTMF: N
Can recv DTMF: N
Can send Morse: N
Can decode Events: N
Can set Bank: N
Can set Mem: N
Can get Mem: N
Can set Channel: N
Can get Channel: N
Can ctl Mem/VFO: N
Can Scan: N
Can get Info: N
Can get power2mW: N
Can get mW2power: N

Overall backend warnings: 0

Rig command:
73 ... Sid.

On 29/07/12 13:54, jimahlstrom wrote:
>
> Hi,
>
> It looks to me that the code works. Is that correct? Did you find
> anything wrong? I want to send the code to the HamLib group soon.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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```

625. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-27 12:53:01 UTC
From: Sid Boyce
Topic: 600 Message: 625

```
Since 13th. July I now noticed.
73 ... Sid.

On 26/07/12 23:31, Sid Boyce wrote:
>
> This seems to have got stuck in the system somewhere since 31st. July.
>
> Grig appears to be no longer maintained.
> 73 ... Sid.
>
> On 13/07/12 15:26, Sid Boyce wrote:
>>
>> Hi Jim,
>> I just got my HiQSDR board set up fro RX only and have done some
>> preliminary tests, more to follow.
>> I also tried grig-0.8.0 but that is looking for ttyS0 and does not
>> start - to be looked at later.
>>
>> tindog:/opt/quisk-3.6.2 # rigctl -m 2514
>>
>> Rig command: ?
>> Commands (some may not be available for this rig):
>> F: set_freq (Frequency) f: get_freq ()
>> M: set_mode (Mode,Passband) m: get_mode ()
>> I: set_split_freq (TX Frequency) i: get_split_freq ()
>> X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
>> S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
>> N: set_ts (Tuning Step) n: get_ts ()
>> L: set_level (Level,Level Value) l: get_level (Level)
>> U: set_func (Func,Func Status) u: get_func (Func)
>> P: set_parm (Parm,Parm Value) p: get_parm (Parm)
>> G: vfo_op (Mem/VFO Op) g: scan (Scan
>> Fct,Scan Channel)
>> A: set_trn (Transceive) a: get_trn ()
>> R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
>> O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()
>> C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
>> D: set_dcs_code (DCS Code) d: get_dcs_code ()
>> ?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
>> ?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
>> V: set_vfo (VFO) v: get_vfo ()
>> T: set_ptt (PTT) t: get_ptt ()
>> E: set_mem (Memory#) e: get_mem ()
>> H: set_channel (Channel) h: get_channel (Channel)
>> B: set_bank (Bank) _: get_info ()
```

```
>> J: set_rit (RIT) j: get_rit ()
>> Z: set_xit (XIT) z: get_xit ()
>> Y: set_ant (Antenna) y: get_ant ()
>> ?: set_powerstat (Power Status) ?: get_powerstat ()
>> ?: send_dtmf (Digits) ?: recv_dtmf ()
>> *: reset (Reset) w: send_cmd (Cmd)
>> b: send_morse (Morse) ?: get_dcd ()
>> 2: power2mW (Power [0.0..1.0],Frequency,Mode) 4:
>> mW2power (Power mW,Frequency,Mode)
>> 1: dump_caps () 3: dump_conf ()
>> ?: dump_state () ?: chk_vfo ()
>> ?: halt ()
>> Rig command: f
>> Frequency: 14200000
>>
>> Rig command: F 14210000
>> Frequency:
>> Rig command: f
>> Frequency: 14210000
>>
>> Rig command: m
>> Mode: USB
>> Passband: 2800
>>
>> Rig command: e
>> get_mem: error = Feature not available
>>
>> Rig command: y
>> Antenna: 0
>>
>> Rig command: Y 1
>> Antenna:
>> Rig command: y
>> Antenna: 1
>>
>> Rig command: Y 0
>> Antenna:
>> Rig command: a
>> Transceive: OFF
>>
>> Rig command: A 1
>> Transceive: set_trn: error = Invalid parameter
>>
>> Rig command: A
>> Transceive: ON
>> set_trn: error = Feature not available
>>
>> Rig command: a
>> Transceive: OFF
>>
```

```
>> Rig command: :_
>>
>> Rig command: Info: None
>>
>> Rig command: _
>> Info: None
>>
>> Rig command: 3
>> rig_pathname: "Path name to the device file of the rig"
>> Default: /dev/rig, Value: 192.168.2.196:48248
>> String.
>> write_delay: "Delay in ms between each byte sent out"
>> Default: 0, Value: 0
>> Range: 0.0..1000.0, step 1.0
>> post_write_delay: "Delay in ms between each command sent out"
>> Default: 0, Value: 0
>> Range: 0.0..1000.0, step 1.0
>> timeout: "Timeout in ms"
>> Default: 0, Value: 500
>> Range: 0.0..10000.0, step 1.0
>> retry: "Max number of retry"
>> Default: 0, Value: 0
>> Range: 0.0..10.0, step 1.0
>> itu_region: "ITU region this rig has been manufactured for (freq.
>> band plan)"
>> Default: 0, Value: 2
>> Range: 1.0..3.0, step 1.0
>> vfo_comp: "VFO compensation in ppm"
>> Default: 0, Value: 0.000000
>> Range: 0.0..1000.0, step 0.0
>> poll_interval: "Polling interval in millisecond for transceive emulation"
>> Default: 500, Value: 500
>> Range: 0.0..1000000.0, step 1.0
>> ptt_type: "Push-To-Talk interface type override"
>> Default: RIG, Value:
>> Combo: RIG, DTR, RTS, Parallel, CM108, None
>> ptt_pathname: "Path name to the device file of the Push-To-Talk"
>> Default: /dev/rig, Value:
>> String.
>> ptt_bitnum: "Push-To-Talk GPIO bit number"
>> Default: 2, Value:
>> Range: 0.0..7.0, step 1.0
>> dcd_type: "Data Carrier Detect (or squelch) interface type override"
>> Default: RIG, Value:
>> Combo: RIG, DSR, CTS, CD, Parallel, CM108, None
>> dcd_pathname: "Path name to the device file of the Data Carrier
>> Detect (or squelch)"
>> Default: /dev/rig, Value:
>> String.
>> osc_freq: "Oscillator frequency of reference clock in Hz"
```

>> Default: 122880000, Value: 122880000.000000
>> Range: 0.0..256000000.0, step 1.0
>> sample_rate: "Sample rate"
>> Default: 48000, Value: 48000
>> Range: 48000.0..1920000.0, step 1.0
>>
>> Rig command:
>> 73 ... Sid.
>>
>> On 09/07/12 14:29, jimahlstrom wrote:
>>>
>>> Hi Sid,
>>>
>>> I will send you the source file hiqsdr.c and the binary
>>> hamlib-kit.so in another email. You can use the command line program
>>> rigctl to do the testing. These commands are available in both get
>>> and set versions:
>>>
>>> f Rx frequency
>>> t PTT
>>> y Antenna 1 or 2
>>> l Level of PREAMP, ATT, RFPOWER
>>> s Split VFO 0 or 1
>>> i Tx frequency
>>> m Mode CW or not CW (USB returned)
>>>
>>> Thanks for testing.
>>>
>>> Jim
>>> N2ADR
>>>
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

626. Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-29 19:53:12 UTC
From: Mario
Topic: 600 Message: 626

Hi Sid,

most probably because of the length your post was marked as spam and needed a dedicated approval. I did not notice it...

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Since 13th. July I now noticed.
> 73 ... Sid.
>
> On 26/07/12 23:31, Sid Boyce wrote:
> >
> > This seems to have got stuck in the system somewhere since 31st. July.
> >
> > Grig appears to be no longer maintained.
> > 73 ... Sid.
> >
> > On 13/07/12 15:26, Sid Boyce wrote:
> >>
> >> Hi Jim,
> >> I just got my HiQSDR board set up fro RX only and have done some
> >> preliminary tests, more to follow.
> >> I also tried grig-0.8.0 but that is looking for ttyS0 and does not
> >> start - to be looked at later.
> >>
> >> tindog:/opt/quisk-3.6.2 # rigctl -m 2514
> >>
> >> Rig command: ?
> >> Commands (some may not be available for this rig):
> >> F: set_freq (Frequency) f: get_freq ()
> >> M: set_mode (Mode,Passband) m: get_mode ()
> >> I: set_split_freq (TX Frequency) i: get_split_freq ()
> >> X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
> >> S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
> >> N: set_ts (Tuning Step) n: get_ts ()
> >> L: set_level (Level,Level Value) l: get_level (Level)
> >> U: set_func (Func,Func Status) u: get_func (Func)
> >> P: set_parm (Parm,Parm Value) p: get_parm (Parm)
> >> G: vfo_op (Mem/VFO Op) g: scan (Scan
> >> Fct,Scan Channel)
> >> A: set_trn (Transceive) a: get_trn ()
> >> R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
> >> O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()

```
> >> C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
> >> D: set_dcs_code (DCS Code) d: get_dcs_code ()
> >> ?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
> >> ?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
> >> V: set_vfo (VFO) v: get_vfo ()
> >> T: set_ptt (PTT) t: get_ptt ()
> >> E: set_mem (Memory#) e: get_mem ()
> >> H: set_channel (Channel) h: get_channel (Channel)
> >> B: set_bank (Bank) _: get_info ()
> >> J: set_rit (RIT) j: get_rit ()
> >> Z: set_xit (XIT) z: get_xit ()
> >> Y: set_ant (Antenna) y: get_ant ()
> >> ?: set_powerstat (Power Status) ?: get_powerstat ()
> >> ?: send_dtmf (Digits) ?: recv_dtmf ()
> >> *: reset (Reset) w: send_cmd (Cmd)
> >> b: send_morse (Morse) ?: get_dcd ()
> >> 2: power2mW (Power [0.0..1.0],Frequency,Mode) 4:
> >> mW2power (Power mW,Frequency,Mode)
> >> 1: dump_caps () 3: dump_conf ()
> >> ?: dump_state () ?: chk_vfo ()
> >> ?: halt ()
> >> Rig command: f
> >> Frequency: 14200000
> >>
> >> Rig command: F 14210000
> >> Frequency:
> >> Rig command: f
> >> Frequency: 14210000
> >>
> >> Rig command: m
> >> Mode: USB
> >> Passband: 2800
> >>
> >> Rig command: e
> >> get_mem: error = Feature not available
> >>
> >> Rig command: y
> >> Antenna: 0
> >>
> >> Rig command: Y 1
> >> Antenna:
> >> Rig command: y
> >> Antenna: 1
> >>
> >> Rig command: Y 0
> >> Antenna:
> >> Rig command: a
> >> Transceive: OFF
> >>
> >> Rig command: A 1
```

```
> >> Transceive: set_trn: error = Invalid parameter
> >>
> >> Rig command: A
> >> Transceive: ON
> >> set_trn: error = Feature not available
> >>
> >> Rig command: a
> >> Transceive: OFF
> >>
> >> Rig command: :_
> >>
> >> Rig command: Info: None
> >>
> >> Rig command: _
> >> Info: None
> >>
> >> Rig command: 3
> >> rig_pathname: "Path name to the device file of the rig"
> >> Default: /dev/rig, Value: 192.168.2.196:48248
> >> String.
> >> write_delay: "Delay in ms between each byte sent out"
> >> Default: 0, Value: 0
> >> Range: 0.0..1000.0, step 1.0
> >> post_write_delay: "Delay in ms between each command sent out"
> >> Default: 0, Value: 0
> >> Range: 0.0..1000.0, step 1.0
> >> timeout: "Timeout in ms"
> >> Default: 0, Value: 500
> >> Range: 0.0..10000.0, step 1.0
> >> retry: "Max number of retry"
> >> Default: 0, Value: 0
> >> Range: 0.0..10.0, step 1.0
> >> itu_region: "ITU region this rig has been manufactured for (freq.
> >> band plan)"
> >> Default: 0, Value: 2
> >> Range: 1.0..3.0, step 1.0
> >> vfo_comp: "VFO compensation in ppm"
> >> Default: 0, Value: 0.000000
> >> Range: 0.0..1000.0, step 0.0
> >> poll_interval: "Polling interval in millisecond for transceive emulation"
> >> Default: 500, Value: 500
> >> Range: 0.0..1000000.0, step 1.0
> >> ptt_type: "Push-To-Talk interface type override"
> >> Default: RIG, Value:
> >> Combo: RIG, DTR, RTS, Parallel, CM108, None
> >> ptt_pathname: "Path name to the device file of the Push-To-Talk"
> >> Default: /dev/rig, Value:
> >> String.
> >> ptt_bitnum: "Push-To-Talk GPIO bit number"
> >> Default: 2, Value:
```

> >> Range: 0.0..7.0, step 1.0
> >> dcd_type: "Data Carrier Detect (or squelch) interface type override"
> >> Default: RIG, Value:
> >> Combo: RIG, DSR, CTS, CD, Parallel, CM108, None
> >> dcd_pathname: "Path name to the device file of the Data Carrier
> >> Detect (or squelch)"
> >> Default: /dev/rig, Value:
> >> String.
> >> osc_freq: "Oscillator frequency of reference clock in Hz"
> >> Default: 122880000, Value: 122880000.000000
> >> Range: 0.0..256000000.0, step 1.0
> >> sample_rate: "Sample rate"
> >> Default: 48000, Value: 48000
> >> Range: 48000.0..1920000.0, step 1.0
> >>
> >> Rig command:
> >> 73 ... Sid.
> >>
> >> On 09/07/12 14:29, jimahlstrom wrote:
> >>>
> >>> Hi Sid,
> >>>
> >>> I will send you the source file hiqsdr.c and the binary
> >>> hamlib-kit.so in another email. You can use the command line program
> >>> rigctl to do the testing. These commands are available in both get
> >>> and set versions:
> >>>
> >>> f Rx frequency
> >>> t PTT
> >>> y Antenna 1 or 2
> >>> l Level of PREAMP, ATT, RFPOWER
> >>> s Split VFO 0 or 1
> >>> i Tx frequency
> >>> m Mode CW or not CW (USB returned)
> >>>
> >>> Thanks for testing.
> >>>
> >>> Jim
> >>> N2ADR
> >>>
> >>
> >> >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks

>

627. Prelector V2.6J option strappings?

Yahoo group: n2adr-sdr
Date: 2012-07-30 03:17:55 UTC
From: Sid Boyce
Topic: 627 Message: 627

The latest circuit diagrams I have are for V2.6I and they seem at
variance with my Prelector board, e.g I haven't found JP3.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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628. Re: [n2adr-sdr] Re: New HamLib Code for HiQSDR

Yahoo group: n2adr-sdr
Date: 2012-07-30 00:26:33 UTC
From: Sid Boyce
Topic: 600 Message: 628

Thanks Mario,
I think in future I'll cc: Jim also.
73 ... Sid.

On 29/07/12 20:53, Mario wrote:
>
> Hi Sid,
>
> most probably because of the length your post was marked as spam and
> needed a dedicated approval. I did not notice it...
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Since 13th. July I now noticed.
> > 73 ... Sid.
> >
> > On 26/07/12 23:31, Sid Boyce wrote:
> > >
> > > This seems to have got stuck in the system somewhere since 31st. July.
> > >
> > > Grig appears to be no longer maintained.
> > > 73 ... Sid.
> > >
> > > On 13/07/12 15:26, Sid Boyce wrote:
> > >>
> > >> Hi Jim,
> > >> I just got my HiQSDR board set up fro RX only and have done some
> > >> preliminary tests, more to follow.
> > >> I also tried grig-0.8.0 but that is looking for ttyS0 and does not
> > >> start - to be looked at later.
> > >>
> > >> tindog:/opt/quisk-3.6.2 # rigctl -m 2514
> > >>
> > >> Rig command: ?
> > >> Commands (some may not be available for this rig):
> > >> F: set_freq (Frequency) f: get_freq ()
> > >> M: set_mode (Mode,Passband) m: get_mode ()
> > >> I: set_split_freq (TX Frequency) i: get_split_freq ()
> > >> X: set_split_mode (TX Mode,TX Passband) x: get_split_mode ()
> > >> S: set_split_vfo (Split,TX VFO) s: get_split_vfo ()
> > >> N: set_ts (Tuning Step) n: get_ts ()

```
> > >> L: set_level (Level,Level Value) l: get_level (Level)
> > >> U: set_func (Func,Func Status) u: get_func (Func)
> > >> P: set_parm (Parm,Parm Value) p: get_parm (Parm)
> > >> G: vfo_op (Mem/VFO Op) g: scan (Scan
> > >> Fct,Scan Channel)
> > >> A: set_trn (Transceive) a: get_trn ()
> > >> R: set_rptr_shift (Rptr Shift) r: get_rptr_shift ()
> > >> O: set_rptr_offs (Rptr Offset) o: get_rptr_offs ()
> > >> C: set_ctcss_tone (CTCSS Tone) c: get_ctcss_tone ()
> > >> D: set_dcs_code (DCS Code) d: get_dcs_code ()
> > >> ?: set_ctcss_sql (CTCSS Sql) ?: get_ctcss_sql ()
> > >> ?: set_dcs_sql (DCS Sql) ?: get_dcs_sql ()
> > >> V: set_vfo (VFO) v: get_vfo ()
> > >> T: set_ptt (PTT) t: get_ptt ()
> > >> E: set_mem (Memory#) e: get_mem ()
> > >> H: set_channel (Channel) h: get_channel (Channel)
> > >> B: set_bank (Bank) _: get_info ()
> > >> J: set_rit (RIT) j: get_rit ()
> > >> Z: set_xit (XIT) z: get_xit ()
> > >> Y: set_ant (Antenna) y: get_ant ()
> > >> ?: set_powerstat (Power Status) ?: get_powerstat ()
> > >> ?: send_dtmf (Digits) ?: recv_dtmf ()
> > >> *: reset (Reset) w: send_cmd (Cmd)
> > >> b: send_morse (Morse) ?: get_dcd ()
> > >> 2: power2mW (Power [0.0..1.0],Frequency,Mode) 4:
> > >> mW2power (Power mW,Frequency,Mode)
> > >> 1: dump_caps () 3: dump_conf ()
> > >> ?: dump_state () ?: chk_vfo ()
> > >> ?: halt ()
> > >> Rig command: f
> > >> Frequency: 14200000
> > >>
> > >> Rig command: F 14210000
> > >> Frequency:
> > >> Rig command: f
> > >> Frequency: 14210000
> > >>
> > >> Rig command: m
> > >> Mode: USB
> > >> Passband: 2800
> > >>
> > >> Rig command: e
> > >> get_mem: error = Feature not available
> > >>
> > >> Rig command: y
> > >> Antenna: 0
> > >>
> > >> Rig command: Y 1
> > >> Antenna:
> > >> Rig command: y
```

```
> > >> Antenna: 1
> > >>
> > >> Rig command: Y 0
> > >> Antenna:
> > >> Rig command: a
> > >> Transceive: OFF
> > >>
> > >> Rig command: A 1
> > >> Transceive: set_trn: error = Invalid parameter
> > >>
> > >> Rig command: A
> > >> Transceive: ON
> > >> set_trn: error = Feature not available
> > >>
> > >> Rig command: a
> > >> Transceive: OFF
> > >>
> > >> Rig command: :_
> > >>
> > >> Rig command: Info: None
> > >>
> > >> Rig command: _
> > >> Info: None
> > >>
> > >> Rig command: 3
> > >> rig_pathname: "Path name to the device file of the rig"
> > >> Default: /dev/rig, Value: 192.168.2.196:48248
> > >> String.
> > >> write_delay: "Delay in ms between each byte sent out"
> > >> Default: 0, Value: 0
> > >> Range: 0.0..1000.0, step 1.0
> > >> post_write_delay: "Delay in ms between each command sent out"
> > >> Default: 0, Value: 0
> > >> Range: 0.0..1000.0, step 1.0
> > >> timeout: "Timeout in ms"
> > >> Default: 0, Value: 500
> > >> Range: 0.0..10000.0, step 1.0
> > >> retry: "Max number of retry"
> > >> Default: 0, Value: 0
> > >> Range: 0.0..10.0, step 1.0
> > >> itu_region: "ITU region this rig has been manufactured for (freq.
> > >> band plan)"
> > >> Default: 0, Value: 2
> > >> Range: 1.0..3.0, step 1.0
> > >> vfo_comp: "VFO compensation in ppm"
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> > >> poll_interval: "Polling interval in millisecond for transceive
> emulation"
> > >> Default: 500, Value: 500
```

> > >> Range: 0.0..1000000.0, step 1.0
> > >> ptt_type: "Push-To-Talk interface type override"
> > >> Default: RIG, Value:
> > >> Combo: RIG, DTR, RTS, Parallel, CM108, None
> > >> ptt_pathname: "Path name to the device file of the Push-To-Talk"
> > >> Default: /dev/rig, Value:
> > >> String.
> > >> ptt_bitnum: "Push-To-Talk GPIO bit number"
> > >> Default: 2, Value:
> > >> Range: 0.0..7.0, step 1.0
> > >> dcd_type: "Data Carrier Detect (or squelch) interface type override"
> > >> Default: RIG, Value:
> > >> Combo: RIG, DSR, CTS, CD, Parallel, CM108, None
> > >> dcd_pathname: "Path name to the device file of the Data Carrier
> > >> Detect (or squelch)"
> > >> Default: /dev/rig, Value:
> > >> String.
> > >> osc_freq: "Oscillator frequency of reference clock in Hz"
> > >> Default: 122880000, Value: 122880000.000000
> > >> Range: 0.0..256000000.0, step 1.0
> > >> sample_rate: "Sample rate"
> > >> Default: 48000, Value: 48000
> > >> Range: 48000.0..1920000.0, step 1.0
> > >>
> > >> Rig command:
> > >> 73 ... Sid.
> > >>
> > >> On 09/07/12 14:29, jimahlstrom wrote:
> > >>>
> > >>> Hi Sid,
> > >>>
> > >>> I will send you the source file hiqsdr.c and the binary
> > >>> hamlib-kit.so in another email. You can use the command line
> program
> > >>> rigctl to do the testing. These commands are available in both get
> > >>> and set versions:
> > >>>
> > >>> f Rx frequency
> > >>> t PTT
> > >>> y Antenna 1 or 2
> > >>> l Level of PREAMP, ATT, RFPOWER
> > >>> s Split VFO 0 or 1
> > >>> i Tx frequency
> > >>> m Mode CW or not CW (USB returned)
> > >>>
> > >>> Thanks for testing.
> > >>>
> > >>> Jim
> > >>> N2ADR
> > >>>

> > >>
> > >>
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

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Senior Staff Specialist, Cricket Coach
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629. Re: [n2adr-sdr] Prelector V2.6J option strappings?

Yahoo group: n2adr-sdr
Date: 2012-07-30 12:50:05 UTC
From: Sid Boyce
Topic: 627 Message: 629

I need to strap for PTT activated PA power (1W PA used) and using BPF's
for TX.
73 ... Sid.

On 30/07/12 04:17, Sid Boyce wrote:
>
> The latest circuit diagrams I have are for V2.6I and they seem at
> variance with my Prelector board, e.g I haven't found JP3.
> 73 ... Sid.
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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630. Re: Prelector V2.6J option strappings?

Yahoo group: n2adr-sdr
Date: 2012-07-30 13:33:19 UTC
From: Helmut Goebkes
Topic: 627 Message: 630

Hi Sid,

JP3 its already there, but a little bit hidden ;-)

Yout will find JP3 on Top right over IC9, and for that option you have to connect PAD 2/3.
Then all TX signals will be routed via the filter actually selected.
If you connect PAD 1/2 instead, the preselector switches to "Bypass" always if TX is activated.

To clearify this, i uploaded two JPGs to the file area
called "Circuit_JP3" but all is included in the circuits and PCB files that are present in the file repository. Differences of versions
"I" and "K" (the actual version) is marginal.

73!

Helmut

631. Re: [n2adr-sdr] Re: Prelector V2.6J option strappings?

Yahoo group: n2adr-sdr
Date: 2012-07-30 15:00:04 UTC
From: Sid Boyce
Topic: 627 Message: 631

Thanks Helmut,
I have found it, next to IC6.
73 ... Sid.

On 30/07/12 14:33, Helmut Goebkes wrote:
>
>
> Hi Sid,
>
> JP3 its already there, but a little bit hidden ;-)
>
> Yout will find JP3 on Top right over IC9, and for that option you have
> to connect PAD 2/3. Then all TX signals will be routed via the filter
> actually selected.
> If you connect PAD 1/2 instead, the preselector switches to "Bypass"
> always if TX is activated.
>
> To clearify this, i uploaded two JPGs to the file area
> called "Circuit_JP3" but all is included in the circuits and PCB files
> that are present in the file repository. Differences of versions
> "I" and "K" (the actual version) is marginal.
>
> 73!
>
> Helmut
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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632. HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-07-31 00:28:50 UTC
From: Sid Boyce
Topic: 632 Message: 632
Attachments: 1 described; binary payloads are missing from this source WARC

I just put the 2 together and running hiqsdr-server, dspserver and
QtRadio and tuned around 20m and 40m.
The two SMA couplers I imported from the USA as I could not find any in
the UK so it's put together like in the attached photo.

I'll leave it for tonight and try to take a photo when I'm awake in the
morning.

I'll also try quisk and qsdr.

I'll do some extra testing before I drill the enclosure to fit it in.
So far, so good.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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633. Re: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-07-31 23:09:04 UTC
From: Sid Boyce
Topic: 632 Message: 633

I have placed 2 photos in the G3VBV album.

Next task is drilling holes for the SMA connectors and cutting the cable slot in the Preselector enclosure.
73 ... Sid.

On 31/07/12 01:28, Sid Boyce wrote:
>
> I just put the 2 together and running hiqsdr-server, dspserver and
> QtRadio and tuned around 20m and 40m.
> The two SMA couplers I imported from the USA as I could not find any in
> the UK so it's put together like in the attached photo.
>
> I'll leave it for tonight and try to take a photo when I'm awake in the
> morning.
>
> I'll also try quisk and qsdr.
>
> I'll do some extra testing before I drill the enclosure to fit it in.
> So far, so good.
> 73 ... Sid.
>
> --
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

634. Software to be used

Yahoo group: n2adr-sdr
Date: 2012-08-01 07:18:41 UTC
From: eskopetaja@rocketmail.com
Topic: 634 Message: 634

Hello

I am new in this group

I found this transceiver to be very interesting.
http://www.db1cc.de/page2.htmle
I have SDR-IQ and have been working with SDR-Radio software
and Spectravue.

What are possible software platforms supporting this transceiver ?.

Esko Petäjä
OH6MQM

635. Re: [n2adr-sdr] Software to be used

Yahoo group: n2adr-sdr
Date: 2012-08-01 11:40:24 UTC
From: Sid Boyce
Topic: 634 Message: 635

Welcome Esko,
The HiQSDR is supported by quisk, qsdr, ghpsdr3-alex.
You can find out more by clicking on the Software link at hiqsdr.org.
73 ... Sid.

On 01/08/12 08:18, eskopetaja@... wrote:
>
> Hello
>
> I am new in this group
>
> I found this transceiver to be very interesting.
> http://www.db1cc.de/page2.htmle
> I have SDR-IQ and have been working with SDR-Radio software
> and Spectravue.
>
> What are possible software platforms supporting this transceiver ?.
>
> Esko Pet?j?
> OH6MQM
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

636. Re: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-08-03 00:53:51 UTC
From: Sid Boyce
Topic: 632 Message: 636

I uploaded 2 more photos, one with the Preselector in its enclosure.

I'll have to find an enclosure for the HiQSDR with a small fan to
exhaust heat from the FPGA.
73 ... Sid.

On 01/08/12 00:09, Sid Boyce wrote:
>
> I have placed 2 photos in the G3VBV album.
>
> Next task is drilling holes for the SMA connectors and cutting the
> cable slot in the Preselector enclosure.
> 73 ... Sid.
>
> On 31/07/12 01:28, Sid Boyce wrote:
>>
>> I just put the 2 together and running hiqsdr-server, dspserver and
>> QtRadio and tuned around 20m and 40m.
>> The two SMA couplers I imported from the USA as I could not find any in
>> the UK so it's put together like in the attached photo.
>>
>> I'll leave it for tonight and try to take a photo when I'm awake in the
>> morning.
>>
>> I'll also try quisk and qsdr.
>>
>> I'll do some extra testing before I drill the enclosure to fit it in.
>> So far, so good.
>> 73 ... Sid.
>>
>> --
>>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

637. Re: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-08-10 03:55:39 UTC
From: Sid Boyce
Topic: 632 Message: 637

Hi guys,
Can you check I have the BPF's plugged into the right sockets ...
I have
160m J16/J22
80m J17/J23
40m J18/J24
30m J19/J25
20m J20/J26
17m J21/J27
15m J4/J10
12m J5/J11
10m J6/J12
6m J7/J13

ASEL0 and ASEL1 -- both open
JP3 2-3 bridged.
1W PA installed.
Antenna connected to BU3 of Preselector.
73 ... Sid.

On 03/08/12 01:53, Sid Boyce wrote:
>
> I uploaded 2 more photos, one with the Preselector in its enclosure.
>
> I'll have to find an enclosure for the HiQSDR with a small fan to
> exhaust heat from the FPGA.
> 73 ... Sid.
>
> On 01/08/12 00:09, Sid Boyce wrote:
>>
>> I have placed 2 photos in the G3VBV album.
>>
>> Next task is drilling holes for the SMA connectors and cutting the
>> cable slot in the Preselector enclosure.
>> 73 ... Sid.
>>
>> On 31/07/12 01:28, Sid Boyce wrote:
>>>
>>> I just put the 2 together and running hiqsdr-server, dspserver and
>>> QtRadio and tuned around 20m and 40m.
>>> The two SMA couplers I imported from the USA as I could not find any in
>>> the UK so it's put together like in the attached photo.
>>>
>>> I'll leave it for tonight and try to take a photo when I'm awake in the
>>> morning.

>>>
>>> I'll also try quisk and qsdr.
>>>
>>> I'll do some extra testing before I drill the enclosure to fit it in.
>>> So far, so good.
>>> 73 ... Sid.
>>>
>>> --
>>>
>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
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638. Re: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-08-10 06:13:22 UTC
From: Karsten Schmidt
Topic: 632 Message: 638

Hi Sid,

  concerning the BPF's. I have not build all BPF yet and cann't check my system yet, but in principle the position sounds logical to me. If you encounter problems you can modify the file

quisk_hardware.py in quisk-3.6.3\hiqsdr\directory.

  Line 111 / comment out

```
  def ChangeBand(self, band):

    # band is a string: "60", "40", "WWV", etc.

    self.band = band

      comment out

    #self.HiQSDR_Connector_X1 &= ~0x0F  # Mask in the last four bits

    #self.HiQSDR_Connector_X1 |= self.conf.HiQSDR_BandDict.get(band, 0)
& 0x0F

      self.SetTxLevel()

    self.NewUdpStatus()
```

  and in Line 59 you can set whatever you want :-.) and check the BPF stuff and debug the code. But in this case the Quisk-band changing doesn't work. So do not forget to remove the changes :-)

  If you have the 1W PA plugged in und using Bu3 then you must have close ASEL0 (IMHO). I have tested these combination with my HiQSDR and Preselektor. Please check the circuit around Rel5.

  JP3, at the current state I'm working with the combination1-2 close. If you sure, that the BPF are working, than 2-3 should be fine. Btw. You have LED's on the BPF's so you can check the band changing stuff by checking the LED's :-)

  73! dg1vs

  Kind regards Karsten

>
> -------- Original-Nachricht --------
> Datum: Fri, 10 Aug 2012 04:55:39 +0100
> Von: Sid Boyce <g3vbv@...>
> An: n2adr-sdr@yahoogroups.com

> Betreff: Re: [n2adr-sdr] HiQSDR + Prelector
>
>
>   Hi guys,
> Can you check I have the BPF's plugged into the right sockets ...
> I have
> 160m   J16/J22
> 80m   J17/J23
> 40m   J18/J24
> 30m   J19/J25
> 20m   J20/J26
> 17m   J21/J27
> 15m   J4/J10
> 12m   J5/J11
> 10m   J6/J12
> 6m   J7/J13
>
> ASEL0 and ASEL1 -- both open
> JP3 2-3 bridged.
> 1W PA installed.
> Antenna connected to BU3 of Preselector.
> 73 ... Sid.
>
> On 03/08/12 01:53, Sid Boyce wrote:
>
> >
> >   I uploaded 2 more photos, one with the Preselector in its
> > enclosure.
> >
> > I'll have to find an enclosure for the HiQSDR with a small fan to
> > exhaust heat from the FPGA.
> > 73 ... Sid.
> >
> > On 01/08/12 00:09, Sid Boyce wrote:
> >
> > >
> > >   I have placed 2 photos in the G3VBV album.
> > >
> > > Next task is drilling holes for the SMA connectors and cutting the
> > > cable slot in the Preselector enclosure.
> > > 73 ... Sid.
> > >
> > > On 31/07/12 01:28, Sid Boyce wrote:
> > >
> > > >
> > > > I just put the 2 together and running hiqsdr-server, dspserver and
> > > > QtRadio and tuned around 20m and 40m.
> > > > The two SMA couplers I imported from the USA as I could not find
> > > > any in
> > > > the UK so it's put together like in the attached photo.

> > > >
> > > > I'll leave it for tonight and try to take a photo when I'm awake in
> > > > the
> > > > morning.
> > > >
> > > > I'll also try quisk and qsdr.
> > > >
> > > > I'll do some extra testing before I drill the enclosure to fit it
> > > > in.
> > > > So far, so good.
> > > > 73 ... Sid.
> > > >
> > > > --
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Sid Boyce ... Hamradio License G3VBV, Licensed Private
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
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> > Zone - Linux used for all Computing Tasks

>
>
> --
Sid Boyce ... Hamradio License G3VBV, Licensed Private
> Pilot
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> Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free
> Zone - Linux used for all Computing Tasks

639. Re: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-08-10 07:57:23 UTC
From: Helmut Göbkes
Topic: 632 Message: 639

Hi Sid, Hi Karsten,

there is no need to change code!

Jim made the feature selecting Band pass filter positions freely
in the quisk_conf.py

Please add to your quisk_conf.py following lines:

```
# If you use the HiQSDR hardware, set these:
# The HiQSDR_BandDict sets the preselect (4 bits) on the X1 connector.
HiQSDR_BandDict = {'160':1, '80':2, '40':3, '30':4, '20':5, '17':6, '15':7,
'12':8, '10':9, '6':10, '80X':11, '40X':12 }
```

as you see, the first numer is the labeling of the band buttons and the second number is
the digital selection number of BP place within Preselector, (1=0x0001, 9=0x1001 ...)
but zero (0x0000) as BP selection is special than means that no Bandfilter is selected
and all BPs are passed by (ByPass LED lits on Preselector)
Also, if no valid Band label is selected, automatically selection of 0 (0x000) is assumed.
You also can see above the Band Labels 80X and 40X, these selects also 80 and 40 meter
bands
but with different Band filters (Cauer Filters)
With these selection schemes you can freely select filters
for frequency bands used.

Next few das i make a description of buildinf up Preselector and the specialities around
them
and set these here in the list

best regards & 73

Helmut, DB1CC

640. Re: HiQSDR + Preselector

Yahoo group: n2adr-sdr
Date: 2012-08-10 09:30:29 UTC
From: Helmut Goebkes
Topic: 632 Message: 640

Hi Sid,

there are some comments for Preselector using:

each module decides with the solder jumpers ASEL0 and ASEL1 following
behaviour:

ASEL0 open: separate RX/TX connectors BU1/BU2 is used
ASEL0 closed: Antenna connector BU3 and Driver ist used

ASEL1 open: No RX Bias is used on RX connector
ASEL1 closed +12V RX bias is feed in during reception (current limited)

This ASEL0 and ASEL1 jumper is also available on TOP of Preslector also (SJMP1) this is to select the behaviour if NO module is selected (Pass-Thru-Mode, Selecttion 0 =0x0000) is made

to Sid: You have to close the ASEL0 Jumper on all Filter modules for wich you want to use the driver and BU3 antenna connection!

further details follows...

73!
Helmut, DB1CC

641. Sample of HiQSDR quisk_config.py

Yahoo group: n2adr-sdr
Date: 2012-08-10 12:22:10 UTC
From: Helmut Goebkes
Topic: 641 Message: 641

Hi Group

i uploaded a sample of a HiQSDR quisk_config.py wich i using
on my HiQSDR. Here you will find also some setting wich involves the Preselector.

73!
Helmut, DB1CC

642. Re: [n2adr-sdr] Re: HiQSDR + Preselector

Yahoo group: n2adr-sdr
Date: 2012-08-10 12:44:19 UTC
From: Sid Boyce
Topic: 632 Message: 642

Excellent Helmut, thanks.
I didn't close ASEL0 on the filter modules.
73 ... Sid.

On 10/08/12 10:30, Helmut Goebkes wrote:
>
> Hi Sid,
>
> there are some comments for Preselector using:
>
> each module decides with the solder jumpers ASEL0 and ASEL1 following
> behaviour:
>
> ASEL0 open: separate RX/TX connectors BU1/BU2 is used
> ASEL0 closed: Antenna connector BU3 and Driver ist used
>
> ASEL1 open: No RX Bias is used on RX connector
> ASEL1 closed +12V RX bias is feed in during reception (current limited)
>
> This ASEL0 and ASEL1 jumper is also available on TOP of Preslector
> also (SJMP1) this is to select the behaviour if NO module is selected
> (Pass-Thru-Mode, Selecttion 0 =0x0000) is made
>
> to Sid: You have to close the ASEL0 Jumper on all Filter modules for
> wich you want to use the driver and BU3 antenna connection!
>
> further details follows...
>
> 73!
> Helmut, DB1CC
>
>

--
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Senior Staff Specialist, Cricket Coach
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643. Re: [n2adr-sdr] Re: HiQSDR + Preselector

Yahoo group: n2adr-sdr
Date: 2012-08-10 14:53:54 UTC
From: Sid Boyce
Topic: 632 Message: 643

OK, to summarize after looking at circuit again:-
On BPF boards - strap 3-4 (goes to pin 6 on J1)
SJMP1 - strap 1-2.
Antenna --> BU3.
73 ... Sid.

On 10/08/12 10:30, Helmut Goebkes wrote:
>
> Hi Sid,
>
> there are some comments for Preselector using:
>
> each module decides with the solder jumpers ASEL0 and ASEL1 following
> behaviour:
>
> ASEL0 open: separate RX/TX connectors BU1/BU2 is used
> ASEL0 closed: Antenna connector BU3 and Driver ist used
>
> ASEL1 open: No RX Bias is used on RX connector
> ASEL1 closed +12V RX bias is feed in during reception (current limited)
>
> This ASEL0 and ASEL1 jumper is also available on TOP of Preslector
> also (SJMP1) this is to select the behaviour if NO module is selected
> (Pass-Thru-Mode, Selecttion 0 =0x0000) is made
>
> to Sid: You have to close the ASEL0 Jumper on all Filter modules for
> wich you want to use the driver and BU3 antenna connection!
>
> further details follows...
>
> 73!
> Helmut, DB1CC
>
>

--
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644. Re: [n2adr-sdr] Re: HiQSDR + Preselector

Yahoo group: n2adr-sdr
Date: 2012-08-10 15:55:36 UTC
From: Helmut Göbkes
Topic: 632 Message: 644

Hi Sid,
Yes, with this configuration always the Antenna connection BU3 ist selected.

Helmut, DB1CC

From: Sid Boyce
Sent: Friday, August 10, 2012 4:53 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: HiQSDR + Preselector

OK, to summarize after looking at circuit again:-
On BPF boards - strap 3-4 (goes to pin 6 on J1)
SJMP1 - strap 1-2.
Antenna --> BU3.
73 ... Sid.

On 10/08/12 10:30, Helmut Goebkes wrote:

Hi Sid,

there are some comments for Preselector using:

each module decides with the solder jumpers ASEL0 and ASEL1 following
behaviour:

ASEL0 open: separate RX/TX connectors BU1/BU2 is used
ASEL0 closed: Antenna connector BU3 and Driver ist used

ASEL1 open: No RX Bias is used on RX connector
ASEL1 closed +12V RX bias is feed in during reception (current limited)

This ASEL0 and ASEL1 jumper is also available on TOP of Preslector also (SJMP1) this is to select the behaviour if NO module is selected (Pass-Thru-Mode, Selecttion 0 =0x0000) is made

to Sid: You have to close the ASEL0 Jumper on all Filter modules for wich you want to use the driver and BU3 antenna connection!

further details follows...

73!
Helmut, DB1CC

--
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Senior Staff Specialist, Cricket Coach
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645. Re: [n2adr-sdr] Re: HiQSDR + Preselector

Yahoo group: n2adr-sdr
Date: 2012-08-10 19:51:40 UTC
From: Sid Boyce
Topic: 632 Message: 645

Thanks Helmut,
I'll get soldering shortly.
73 ... Sid.

On 10/08/12 16:55, Helmut G?bkes wrote:
>
> Hi Sid,
> Yes, with this configuration always the Antenna connection BU3 ist
> selected.
> Helmut, DB1CC
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Friday, August 10, 2012 4:53 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] Re: HiQSDR + Preselector
>
> OK, to summarize after looking at circuit again:-
> On BPF boards - strap 3-4 (goes to pin 6 on J1)
> SJMP1 - strap 1-2.
> Antenna --> BU3.
> 73 ... Sid.
>
>
> On 10/08/12 10:30, Helmut Goebkes wrote:
>>
>> Hi Sid,
>>
>> there are some comments for Preselector using:
>>
>> each module decides with the solder jumpers ASEL0 and ASEL1 following
>> behaviour:
>>
>> ASEL0 open: separate RX/TX connectors BU1/BU2 is used
>> ASEL0 closed: Antenna connector BU3 and Driver ist used
>>
>> ASEL1 open: No RX Bias is used on RX connector
>> ASEL1 closed +12V RX bias is feed in during reception (current limited)
>>
>> This ASEL0 and ASEL1 jumper is also available on TOP of Preslector
>> also (SJMP1) this is to select the behaviour if NO module is selected
>> (Pass-Thru-Mode, Selecttion 0 =0x0000) is made
>>
>> to Sid: You have to close the ASEL0 Jumper on all Filter modules for
>> wich you want to use the driver and BU3 antenna connection!
>>
>> further details follows...

>>
>> 73!
>> Helmut, DB1CC
>>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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646. AW: [n2adr-sdr] HiQSDR + Prelector

Yahoo group: n2adr-sdr
Date: 2012-08-10 20:03:22 UTC
From: Dr. Karsten Schmidt
Topic: 632 Message: 646

Hi Helmut, Hi Sid,

The most important thing is, to close the ASEL0 on every BPF and on the pass-through path. Helmut had explained this very well and I mentioned this also in my e-mail this morning.

Helmut also explained thoroughly the normal working behavior of the band switching using quisk, hiqsdr and the pre-selector board. But two things:

· I have a slightly different condition (use-case),

· since I prefer a step by step test and don't like a big-bang integration

At this time I have only one “filter-module”, and these filter-module is a wire between input and output + LED stuff, so this means, I have a second pass-through on a filter-module. But this was helping me to understand the band switching stuff . I haven’t prepared the coils yet L. In order to check the tx/rx-switch, I pull via changes in the quisk software (self.HiQSDR_Connector_X1 = 0 is fixed) the signal-path to “normal” pass-through on all bands and can test the 1W PA and the rx/tx-switch. Otherwise, every band-switch will result on my preselector-board in an open signal path …..

Maybe this sounds strange, put it worked for me J

I hope, this helps clarifying some of my thoughts in the morning.

Kind regards Karsten

73 dg1vs

Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag von Helmut Göbkes
Gesendet: Freitag, 10. August 2012 09:57
An: n2adr-sdr@yahoogroups.com
Cc: g3vbv@...
Betreff: Re: [n2adr-sdr] HiQSDR + Prelector

Hi Sid, Hi Karsten,

there is no need to change code!

Jim made the feature selecting Band pass filter positions freely

in the quisk_conf.py

Please add to your quisk_conf.py following lines:

If you use the HiQSDR hardware, set these:

The HiQSDR_BandDict sets the preselect (4 bits) on the X1 connector.

HiQSDR_BandDict = {'160':1, '80':2, '40':3, '30':4, '20':5, '17':6, '15':7,

'12':8, '10':9, '6':10, '80X':11, '40X':12 }

as you see, the first numer is the labeling of the band buttons and the second number is

the digital selection number of BP place within Preselector, (1=0x0001, 9=0x1001 ...)

but zero (0x0000) as BP selection is special than means that no Bandfilter is selected

and all BPs are passed by (ByPass LED lits on Preselector)

Also, if no valid Band label is selected, automatically selection of 0 (0x000) is assumed.

You also can see above the Band Labels 80X and 40X, these selects also 80 and 40 meter bands

but with different Band filters (Cauer Filters)

With these selection schemes you can freely select filters

for frequency bands used.

Next few das i make a description of buildinf up Preselector and the specialities around them

and set these here in the list

best regards & 73

Helmut, DB1CC

647. HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-21 21:29:53 UTC
From: rune
Topic: 647 Message: 647

Hello Group, I am a new member and I ordered my HIQSDR and Preselector board today built and tested. It will take some time before receive my toys, meanwhile i start to look for software. Is there anyone that have tested/used HIQSDR under Windows using the win version of quisk?. Should i go direct for Linux version?.

73 Rune LA7THA

648. Re: [n2adr-sdr] HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-21 22:27:59 UTC
From: Sid Boyce
Topic: 647 Message: 648

Hi Rune,
Go with quisk for Linux, it's easy and it works well with the
HiQSDR+Preselector.

I'm also using the iw0hdv branch of ghpsdr3-alex and my rig is up on the
net accessible using QtRadio and aHPSDR/glHPSDR on my Samsung Galaxy S2
mobile. My rig is up there right now and is very popular.

Other software, qvna.py is in quisk, there is also qvna standalone and
hiqscope.

qsdr doesn't do Preselector band switching at present.
73 ... Sid.

On 21/08/12 22:29, rune wrote:
>
> Hello Group, I am a new member and I ordered my HIQSDR and Preselector
> board today built and tested. It will take some time before receive my
> toys, meanwhile i start to look for software. Is there anyone that
> have tested/used HIQSDR under Windows using the win version of quisk?.
> Should i go direct for Linux version?.
>
> 73 Rune LA7THA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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649. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-22 08:10:30 UTC
From: rune
Topic: 647 Message: 649

Hey Sid

Thanks for info, i understand that quisk is also working for windows.
I am at Sea (North sea) and don't have any pc running Linux for the moment. Anyway I have ordered the Raspberry clone from Korea 1.4 Ghz/1Giga Ram etc. I have a plan to use this on Linux for my HIQSDR project. I know you are living in a Windows free sone :-)

73 Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Rune,
> Go with quisk for Linux, it's easy and it works well with the
> HiQSDR+Preselector.
>
> I'm also using the iw0hdv branch of ghpsdr3-alex and my rig is up on the
> net accessible using QtRadio and aHPSDR/glHPSDR on my Samsung Galaxy S2
> mobile. My rig is up there right now and is very popular.
>
> Other software, qvna.py is in quisk, there is also qvna standalone and
> hiqscope.
>
> qsdr doesn't do Preselector band switching at present.
> 73 ... Sid.
>
> On 21/08/12 22:29, rune wrote:
> >
> > Hello Group, I am a new member and I ordered my HIQSDR and Preselector
> > board today built and tested. It will take some time before receive my
> > toys, meanwhile i start to look for software. Is there anyone that
> > have tested/used HIQSDR under Windows using the win version of quisk?.
> > Should i go direct for Linux version?.
> >
> > 73 Rune LA7THA
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

650. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-22 10:35:05 UTC
From: rune
Topic: 647 Message: 650

Sid

Here is the board i was mentioned, dont know if this is good for quisk
but if not then i use it for something else :-)

http://www.hardkernel.com/renewal_2011/main.php

SAMSUNG Exynos4412 Quad-core ARM Cortex-A9 1.4GHz
Mali-400 MP Core
6 x High Speed USB2.0 Host Port
10/100Mbps Ethernet with RJ-45 LAN Jack
Android 4.0.4 Ice Cream Sandwich
Enjoy various PC peripherals
Order it now
Price : US $129.00
Korean Price : 150,000원(부4032;세 별도)
See more detail >>

73 Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Rune,
> Go with quisk for Linux, it's easy and it works well with the
> HiQSDR+Preselector.
>
> I'm also using the iw0hdv branch of ghpsdr3-alex and my rig is up on the
> net accessible using QtRadio and aHPSDR/glHPSDR on my Samsung Galaxy S2
> mobile. My rig is up there right now and is very popular.
>
> Other software, qvna.py is in quisk, there is also qvna standalone and
> hiqscope.
>
> qsdr doesn't do Preselector band switching at present.
> 73 ... Sid.
>
> On 21/08/12 22:29, rune wrote:
> >
> > Hello Group, I am a new member and I ordered my HIQSDR and Preselector
> > board today built and tested. It will take some time before receive my
> > toys, meanwhile i start to look for software. Is there anyone that
> > have tested/used HIQSDR under Windows using the win version of quisk?.
> > Should i go direct for Linux version?.
> >
> > 73 Rune LA7THA
> >

> >
>
>
> --
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>

651. Re: [n2adr-sdr] Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-22 11:47:12 UTC
From: andrea montefusco
Topic: 647 Message: 651

On Wed, Aug 22, 2012 at 10:10 AM, rune <runeegil@...> wrote:
> Anyway I have ordered the Raspberry clone from Korea 1.4 Ghz/1Giga Ram etc.

Hi Rune,
Maybe it is this one:

http://www.hardkernel.com/renewal_2011/products/prdt_info.php

Could you elaborate a little bit on that above ?

am

--
Andrea Montefusco IW0HDV

652. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-22 12:42:11 UTC
From: Guenter DL7LA
Topic: 647 Message: 652

Hi, Rune,

if you can abide with a German intro there is a paper by Eric in the n2adr-sdr-deutsch group files section. Shouldn't be to difficult to run the text through any translation programme, I think; howeverin case of difficulties just send Eric or me a mail.

73 Guenter

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> Hello Group, I am a new member and I ordered my HIQSDR and Preselector board today built and tested. It will take some time before receive my toys, meanwhile i start to look for software. Is there anyone that have tested/used HIQSDR under Windows using the win version of quisk?. Should i go direct for Linux version?.
>
> 73 Rune LA7THA
>

653. Re: [n2adr-sdr] Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-22 23:54:38 UTC
From: Sid Boyce
Topic: 647 Message: 653

That's the board I shall be ordering, the specs are excellent compared
to any other ARM board.
I have a Zotac Mag Mini PC, dual-core 1.6GHz (64-bit) that works fine,
so a quad-core 1.4GHz (32-bit) board should be more than adequate.

The dual-core Pandaboard runs quisk, no sound at the moment, but QtRadio
runs OK., hiqsdr-server and dspserver used to run fine but not lately
since I did a software update.
I'm building the iw0hdv branch on it to see if that will be OK again.
73 ... Sid.

On 22/08/12 11:35, rune wrote:
>
> Sid
>
> Here is the board i was mentioned, dont know if this is good for quisk
> but if not then i use it for something else :-)
>
> http://www.hardkernel.com/renewal_2011/main.php
>
> SAMSUNG Exynos4412 Quad-core ARM Cortex-A9 1.4GHz
> Mali-400 MP Core
> 6 x High Speed USB2.0 Host Port
> 10/100Mbps Ethernet with RJ-45 LAN Jack
> Android 4.0.4 Ice Cream Sandwich
> Enjoy various PC peripherals
> Order it now
> Price : US $129.00
> Korean Price : 150,000원(부가세 별도)
> See more detail >>
>
> 73 Rune LA7THA/MM
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Hi Rune,
> > Go with quisk for Linux, it's easy and it works well with the
> > HiQSDR+Preselector.
> >
> > I'm also using the iw0hdv branch of ghpsdr3-alex and my rig is up on
> the
> > net accessible using QtRadio and aHPSDR/glHPSDR on my Samsung Galaxy S2
> > mobile. My rig is up there right now and is very popular.
> >

> > Other software, qvna.py is in quisk, there is also qvna standalone and
> > hiqscope.
> >
> > qsdr doesn't do Preselector band switching at present.
> > 73 ... Sid.
> >
> > On 21/08/12 22:29, rune wrote:
> > >
> > > Hello Group, I am a new member and I ordered my HIQSDR and
> Preselector
> > > board today built and tested. It will take some time before
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> > > toys, meanwhile i start to look for software. Is there anyone that
> > > have tested/used HIQSDR under Windows using the win version of
> quisk?.
> > > Should i go direct for Linux version?.
> > >
> > > 73 Rune LA7THA
> > >
> > >
> > >
> >
> >
> >

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

654. Re: [n2adr-sdr] Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-23 00:34:35 UTC
From: Sid Boyce
Topic: 647 Message: 654

I now have ghpsdr3-alex iw0hdv branch up with hiqsdr-server and
dspserver on the net with the Pandaboard and at the same time running
QtRadio on it.

Every time I do anything with QtRadio on Pandaboard I lose sound which
is restored by disconnecting and reconnecting.

```
# cat /proc/cpuinfo
Processor : ARMv7 Processor rev 3 (v7l)
processor : 0
BogoMIPS : 1598.59

processor : 1
BogoMIPS : 1554.48

Features : swp half thumb fastmult vfp edsp thumbee neon vfpv3 tls
CPU implementer : 0x41
CPU architecture: 7
CPU variant : 0x1
CPU part : 0xc09
CPU revision : 3

Hardware : OMAP4 Panda board
Revision : 0020
Serial : 0000000000000000
```

1Gig of memory.

The hardkernel board should be just fine for our use.
73 ... Sid.

On 23/08/12 00:54, Sid Boyce wrote:
>
> That's the board I shall be ordering, the specs are excellent compared
> to any other ARM board.
> I have a Zotac Mag Mini PC, dual-core 1.6GHz (64-bit) that works fine,
> so a quad-core 1.4GHz (32-bit) board should be more than adequate.
>
> The dual-core Pandaboard runs quisk, no sound at the moment, but
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> lately since I did a software update.
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>> > I'm also using the iw0hdv branch of ghpsdr3-alex and my rig is up
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>> > mobile. My rig is up there right now and is very popular.
>> >
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>> > > 73 Rune LA7THA
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>> > >
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>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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655. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-23 10:12:09 UTC
From: rune
Topic: 647 Message: 655

Hey Andrea

yes this is the board i have ordered

73 Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@...> wrote:
>
> On Wed, Aug 22, 2012 at 10:10 AM, rune <runeegil@...> wrote:
> > Anyway I have ordered the Raspberry clone from Korea 1.4 Ghz/1Giga Ram etc.
>
> Hi Rune,
> Maybe it is this one:
>
> http://www.hardkernel.com/renewal_2011/products/prdt_info.php
>
> Could you elaborate a little bit on that above ?
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
>

656. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-23 10:16:07 UTC
From: rune
Topic: 647 Message: 656

Hi Guenter

Thanks for info, i will look han se if i can translate it.

Thanks again

73 Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Hi, Rune,
>
> if you can abide with a German intro there is a paper by Eric in the n2adr-sdr-deutsch group files section. Shouldn't be to difficult to run the text through any translation programme, I think; howeverin case of difficulties just send Eric or me a mail.
>
> 73 Guenter
>
> --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
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> >
> > 73 Rune LA7THA
> >
>

657. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-26 08:57:37 UTC
From: rune
Topic: 647 Message: 657

Hey Guenter

Yes i found the info from Eric and used google translate.
I have most of it know, thanks.

73 Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Hi, Rune,
>
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> >
> > 73 Rune LA7THA
> >
>

658. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-26 12:20:41 UTC
From: Guenter DL7LA
Topic: 647 Message: 658

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> Hey Guenter
>
> Yes i found the info from Eric and used google translate.
> I have most of it know, thanks.
>
> 73 Rune LA7THA/MM

Good. Maybe I should point out another pitfall in the quisk_conf.py: quisk might not start up if there are diacritical characters in the strings describing the audio devices. It seems the python parser throws an error there. This happens in German with our famous 'umlauts'. E.g. a headphone is decribed as 'Kopfhörer' (normally substituted in 7 bit ASCII as 'Kopfhoerer'). The same happens with 'Primärer Sundtreiber' (the primary audio device). I am not familiar with the Norwegian Windows localization strings, so this warning just in case...

gl es 73

Guenter DL7LA

659. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-08-27 09:21:05 UTC
From: rune
Topic: 647 Message: 659

Hi

Thanks for all info, more questions to come when i receive my HIQSDR :-)

73 de Rune LA7THA/MM

--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> >
> > Hey Guenter
> >
> > Yes i found the info from Eric and used google translate.
> > I have most of it know, thanks.
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>
> gl es 73
>
> Guenter DL7LA
>

660. Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-27 20:03:42 UTC
From: Sid Boyce
Topic: 660 Message: 660

I did a fresh clone and changed to the iw0hdv branch.
Removed all traces of -msse, -msse3 and -ffast-math

autoreconf -i

./configure CFLAGS='-O3 -pipe -march=armv6 -mfpu=vfp -mfloat-abi=hard'
CXXFLAGS='-O3 -pipe -march=armv6 -mfpu=vfp -mfloat-abi=hard'

make

Running hiqsdr-server at 48K and dspserver (built with qt4).

QtRadio running on another box using the connection from the server list.
Sound is a touch distorted, quite distorted on start up of QtRadio and
spectrum is always a little bit slow.

When a slave connected and tried changing frequency, dspserver crashed.

The first thing I tried on the Pi was QtRadio standalone, spectrum and
waterfall were OK but no sound.

Just now a client using glSDR (5) is attempting to change frequency,
sound went quite distorted then dspserver crashed.

Restarted dspserver and QtRadio sound started very distorted before it
settled down to reasonable.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

661. RE: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-27 20:06:52 UTC
From: MIKE DURKIN
Topic: 660 Message: 661

is there anyway to disable the waterall to help with resources?

Mike kc7noa
To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Mon, 27 Aug 2012 21:03:42 +0100
Subject: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

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662. Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-28 00:27:51 UTC
From: Sid Boyce
Topic: 660 Message: 662

That's what I asked some time ago, seems not.
If there was qt5 available it would take that load away from the main CPU.

There are many tutorials for building qt5 but none work. The build
software provided is i386 and it falls down building on 12.04.

With such long winded instructions it would have been nice if they
provided deb's rather than expecting us to build from sources with flaky
instructions or sources.

I shall ask on the forum and see what response I get.
73 ... Sid.

On 27/08/12 21:06, MIKE DURKIN wrote:
>
> is there anyway to disable the waterall to help with resources?
>
>
> Mike kc7noa
> ---
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Mon, 27 Aug 2012 21:03:42 +0100
> Subject: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex
>
> I did a fresh clone and changed to the iw0hdv branch.
> Removed all traces of -msse, -msse3 and -ffast-math
>
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663. RE: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-28 01:14:29 UTC
From: MIKE DURKIN
Topic: 660 Message: 663

Which forum? Sdr-widget?

To: n2adr-sdr@yahoogroups.com
From: g3vbv@blueyonder.co.uk
Date: Tue, 28 Aug 2012 01:27:51 +0100
Subject: Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

That's what I asked some time ago,
seems not.

If there was qt5 available it would take that load away from the
main CPU.

There are many tutorials for building qt5 but none work. The build
software provided is i386 and it falls down building on 12.04.

With such long winded instructions it would have been nice if they
provided deb's rather than expecting us to build from sources with
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73 ... Sid.

On 27/08/12 21:06, MIKE DURKIN wrote:

is there anyway to disable the waterall to help with
resources?

Mike kc7noa

To: n2adr-sdr@yahoogroups.com

From: g3vbv@blueyonder.co.uk

Date: Mon, 27 Aug 2012 21:03:42 +0100

Subject: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

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664. Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-28 01:54:50 UTC
From: Sid Boyce
Topic: 660 Message: 664

The raspberry Pi forum seems most likely.
73 ... Sid.

On 28/08/12 02:14, MIKE DURKIN wrote:
>
> Which forum? Sdr-widget?
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Tue, 28 Aug 2012 01:27:51 +0100
> Subject: Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex
>
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> Mike kc7noa
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> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: g3vbv@... <mailto:g3vbv@...>
> Date: Mon, 27 Aug 2012 21:03:42 +0100
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> -mfloat-abi=hard'
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665. Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-08-28 19:04:53 UTC
From: Mathison Ott
Topic: 660 Message: 665

knew it was possible... I had been as far as the ./configure and ran in to
errors.

Would you post a solution on the wiki for the pi.

73 Kj6dzb
Mathison

On Mon, Aug 27, 2012 at 6:54 PM, Sid Boyce <g3vbv@...> wrote:

> **
>
>
> The raspberry Pi forum seems most likely.
> 73 ... Sid.
>
>
> On 28/08/12 02:14, MIKE DURKIN wrote:
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>
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> spectrum is always a little bit slow.
>
> When a slave connected and tried changing frequency, dspserver crashed.
>
> The first thing I tried on the Pi was QtRadio standalone, spectrum and
> waterfall were OK but no sound.
>
> Just now a client using glSDR (5) is attempting to change frequency,
> sound went quite distorted then dspserver crashed.
>
> Restarted dspserver and QtRadio sound started very distorted before it
> settled down to reasonable.
> 73 ... Sid.
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>

>

666. Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex

Yahoo group: n2adr-sdr
Date: 2012-09-09 01:55:28 UTC
From: Sid Boyce
Topic: 660 Message: 666

Still to do on the Pi Wiki but it's on
http://napan.ca/ghpsdr3/index.php/QtRadio_Installation#Installing_ghpsdr3-alex_on_Raspberry_Pi
73 ... Sid.

On 28/08/12 20:04, Mathison Ott wrote:
>
> knew it was possible... I had been as far as the ./configure and ran
> in to errors.
>
> Would you post a solution on the wiki for the pi.
>
>
> 73 Kj6dzb
> Mathison
>
> On Mon, Aug 27, 2012 at 6:54 PM, Sid Boyce <g3vbv@...
> <mailto:g3vbv@...>> wrote:
>
> The raspberry Pi forum seems most likely.
> 73 ... Sid.
>
>
> On 28/08/12 02:14, MIKE DURKIN wrote:
>>
>> Which forum? Sdr-widget?
>>
>> --
>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From: g3vbv@... <mailto:g3vbv@...>
>> Date: Tue, 28 Aug 2012 01:27:51 +0100
>> Subject: Re: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex
>>
>> That's what I asked some time ago, seems not.
>> If there was qt5 available it would take that load away from the
>> main CPU.
>>
>> There are many tutorials for building qt5 but none work. The
>> build software provided is i386 and it falls down building on 12.04.
>>
>> With such long winded instructions it would have been nice if
>> they provided deb's rather than expecting us to build from
>> sources with flaky instructions or sources.
>>
>> I shall ask on the forum and see what response I get.

>> 73 ... Sid.
>>
>> On 27/08/12 21:06, MIKE DURKIN wrote:
>>
>>
>> is there anyway to disable the waterall to help with resources?
>>
>>
>> Mike kc7noa
>> ---
>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From: g3vbv@... <mailto:g3vbv@...>
>> Date: Mon, 27 Aug 2012 21:03:42 +0100
>> Subject: [n2adr-sdr] Raspberry Pi running ghpsdr3-alex
>>
>> I did a fresh clone and changed to the iw0hdv branch.
>> Removed all traces of -msse, -msse3 and -ffast-math
>>
>> autoreconf -i
>>
>> ./configure CFLAGS='-O3 -pipe -march=armv6 -mfpu=vfp
>> -mfloat-abi=hard'
>> CXXFLAGS='-O3 -pipe -march=armv6 -mfpu=vfp -mfloat-abi=hard'
>>
>> make
>>
>> Running hiqsdr-server at 48K and dspserver (built with qt4).
>>
>> QtRadio running on another box using the connection from the
>> server list.
>> Sound is a touch distorted, quite distorted on start up of
>> QtRadio and
>> spectrum is always a little bit slow.
>>
>> When a slave connected and tried changing frequency,
>> dspserver crashed.
>>
>> The first thing I tried on the Pi was QtRadio standalone,
>> spectrum and
>> waterfall were OK but no sound.
>>
>> Just now a client using glSDR (5) is attempting to change
>> frequency,
>> sound went quite distorted then dspserver crashed.
>>
>> Restarted dspserver and QtRadio sound started very distorted
>> before it
>> settled down to reasonable.
>> 73 ... Sid.
>>

>
>
> --
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> Senior Staff Specialist, Cricket Coach
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>
>
>

--
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667. ghpsdr3-alex master branch updated

Yahoo group: n2adr-sdr
Date: 2012-09-09 01:59:30 UTC
From: Sid Boyce
Topic: 667 Message: 667

Thanks to Andrea.

It now supports up to 960K samplerate.

With the latest QtRadio there is a spectrum zoom slider on the right
hand edge.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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668. HiQSDR TX problem.

Yahoo group: n2adr-sdr
Date: 2012-09-09 02:22:59 UTC
From: Sid Boyce
Topic: 668 Message: 668

I haven't had a chance to check over the Presector strappings once again
but I think I got them right first time and they are set as outlined in
my last email for help.

Neither from Quisk nor by connecting J1 2-6 no TX relay is heard activated.
ASEL0 closed
ASEL1 closed
SJMP1 - strap 1-2
Antenna --> BU3

The BPF switching is fine.

I have not done any VNA tests but the BPF's are very effective.
In ghpsdr3-alex BPF switching is achieved on a separate popup panel so
band switching consists of 2 actions, band selection in QtRadio and BPF
switching, antenna switching and attenuator switching on the popup panel.

So e.g selecting 20m in Qtradio with other than the 20m BPF selected,
signals disappear.
Filter Bypass is selected when QtRadio first comes up and selecting the
correct BPF for the band there is a slight decrease in signal due to
insertion loss but nothing dramatic.

With very strong signals I put some attenuation in.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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669. Re: HiQSDR TX Straps

Yahoo group: n2adr-sdr
Date: 2012-09-11 08:32:49 UTC
From: Helmut Goebkes
Topic: 668 Message: 669

Hi Sid,

> Neither from Quisk nor by connecting J1 2-6 no TX relay is heard activated.
> ASEL0 closed
> ASEL1 closed
> SJMP1 - strap 1-2
> Antenna --> BU3

You do not explain which ASEL straps you closed. There are ASEL0/1 straps on the Preselector board, these are used if NO Filter is selected and ASEL0/1 straps on each Filter modules too.

So you can decide on a filter by filter base if you use the BU1/BU2 separate connections (if ASEL0 is OPEN) or BU3 (if ASEL0 is CLOSED)

If no filter module is selected, the ASEL0 on the Preselector board routes the signal while the ASEL0 on the selected filter module does this if a filter module is selected. This means, to route the signals ** always ** via BU3 (and the PA) you have to close ALL ASEL0 straps - on preselector board AND the modules. Same is valid for the ASEL1 Straps which switches the 12V phantom power ON, but this makes only sense if ASEL1 Strap OPEN because phantom powering is only possible on BU1.

Antenna relay for BU3 switches only if ASEL0 jumper on the selected filter modules is closed!

best regards & 73!

Helmut, DB1CC

670. Re: [n2adr-sdr] Re: HiQSDR TX Straps

Yahoo group: n2adr-sdr
Date: 2012-09-11 22:12:48 UTC
From: Sid Boyce
Topic: 668 Message: 670

On 11/09/12 09:32, Helmut Goebkes wrote:
>
> Hi Sid,
>
> > Neither from Quisk nor by connecting J1 2-6 no TX relay is heard
> activated.
> > ASEL0 closed
> > ASEL1 closed
> > SJMP1 - strap 1-2
> > Antenna --> BU3
>
> You do not explain which ASEL straps you closed. There are ASEL0/1
> straps on the Preselector board, these are used if NO Filter is
> selected and ASEL0/1 straps on each Filter modules too.
>
These are all the connections I have checked.

Filters:- ASEL0 (3-4) closed.
ASEL1 (1-2) open.

Preselector:-
JP2 -- (1-2) open (next to IC10)

JP3 -- (2-3) closed - Use Presel Filter for TX (next to IC6 and R45).

SJMP1 (1-2) closed - ASEL0
(3-4) open - ASEL1

Antenna connected to BU3.
73...Sid.

>
> So you can decide on a filter by filter base if you use the BU1/BU2
> separate connections (if ASEL0 is OPEN) or BU3 (if ASEL0 is CLOSED)
>
> If no filter module is selected, the ASEL0 on the Preselector board
> routes the signal while the ASEL0 on the selected filter module does
> this if a filter module is selected. This means, to route the signals
> ** always ** via BU3 (and the PA) you have to close ALL ASEL0 straps -
> on preselector board AND the modules. Same is valid for the ASEL1
> Straps which switches the 12V phantom power ON, but this makes only
> sense if ASEL1 Strap OPEN because phantom powering is only possible on
> BU1.
>
> Antenna relay for BU3 switches only if ASEL0 jumper on the selected
> filter modules is closed!

>
> best regards & 73!
>
> Helmut, DB1CC
>
>

--
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671. N2ADR in October QST page 100

Yahoo group: n2adr-sdr
Date: 2012-09-12 15:38:45 UTC
From: Sid Boyce
Topic: 671 Message: 671

Jim has won the 2011 Doug DeMaw Technical Excellence Award.
Huge Congrats Jim.
73 ... Sid.

--
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Senior Staff Specialist, Cricket Coach
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672. Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-13 12:17:22 UTC
From: amandaragan12
Topic: 672 Message: 672

Hi,

Total newbie. How do I get one of these SDR boards? I am eager to experiment with algorithms in the FPGA. Many thanks.

Amandaq

673. [n2adr-sdr] Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-13 15:01:13 UTC
From: Helmut Göbkes
Topic: 672 Message: 673

Hi Amandaq,

you will find it here, available currently from stock:

http://www.technologie2000.de/page8.html

73!
Helmut, DB1CC

674. Re: [n2adr-sdr] Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-13 17:14:36 UTC
From: John
Topic: 672 Message: 674

Is the Main TRX Module usable as a receiver and low power transmitter on its own or are other PCB's / modules needed?

Is there a specification for the Main TRX Module

Thanks,
John G3UGY

From: Helmut Göbkes
Sent: Thursday, September 13, 2012 4:01 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Getting Started

Hi Amandaq,

you will find it here, available currently from stock:

http://www.technologie2000.de/page8.html

73!
Helmut, DB1CC

675. Re: [n2adr-sdr] Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-13 19:10:31 UTC
From: Sid Boyce
Topic: 672 Message: 675

Hi John,
http://hiqsdr.finken-net.de/index.htm where you'll find almost all
details including a presentation.

Initially I used a RX/TX relay circuit including a level shifter that
allowed switching between the 2 SMA's and excellent SSB could be heard
on another transceiver. My RX/TX circuit was too slow for any serious use.
73 ... Sid.

On 13/09/12 18:14, John wrote:
>
> Is the Main TRX Module usable as a receiver and low power transmitter
> on its own or are other PCB's / modules needed?
> Is there a specification for the Main TRX Module
> Thanks,
> John G3UGY
>
> *From:* Helmut G?bkes <mailto:hgoebkes@...>
> *Sent:* Thursday, September 13, 2012 4:01 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Getting Started
>
> Hi Amandaq,
> you will find it here, available currently from stock:
> http://www.technologie2000.de/page8.html
> 73!
> Helmut, DB1CC
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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676. Re: [n2adr-sdr] Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-13 20:08:56 UTC
From: John
Topic: 672 Message: 676

Hi Sid,

Thanks for the pointer... I'll install Power Point.
The PCB doesn't look to difficult to put together.
It looks good.

73 John

From: Sid Boyce
Sent: Thursday, September 13, 2012 8:10 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Getting Started

Hi John,
http://hiqsdr.finken-net.de/index.htm where you'll find almost all details including a presentation.

Initially I used a RX/TX relay circuit including a level shifter that allowed switching between the 2 SMA's and excellent SSB could be heard on another transceiver. My RX/TX circuit was too slow for any serious use.
73 ... Sid.

On 13/09/12 18:14, John wrote:

Is the Main TRX Module usable as a receiver and low power transmitter on its own or are other PCB's / modules needed?

Is there a specification for the Main TRX Module

Thanks,
John G3UGY

From: Helmut Göbkes
Sent: Thursday, September 13, 2012 4:01 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Getting Started

Hi Amandaq,

you will find it here, available currently from stock:

http://www.technologie2000.de/page8.html

73!
Helmut, DB1CC

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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677. New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-15 19:50:13 UTC
From: jimahlstrom
Topic: 677 Message: 677

Quisk Version 3.6.4 September 2012

I added Hamlib control to Quisk. Set your digital or logging program to rig2, device localhost:4575. See the Help and docs.html. This is used to control Quisk from other digital mode programs such as WSPR.

I added the Y scale to the graph above the waterfall.

Quisk can now record the speaker audio and the digital samples to a WAV file. Set the file names using the config screen, and then use the "FileRec" button to start recording. Press the Help button for more information.

678. Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-09-17 08:37:56 UTC
From: Helmut Goebkes
Topic: 647 Message: 678

Hi Rune,

HiQSDR and Preselector works very fine und Windows 7.
I am using both operating systems, Windows 7 Ultimate 64 Bit
and Linux, Ubuntu 12.4 - on both Quisk is working very successful,
but under Linux, Quisk works a little bit smooother.

Nevertheless, both are absolutely useful. ther are many programs who are working with HiQSDR, but Quisk is the "reference" programm operating HiQSDR.
Normally i am using Quisk under Windows 7 because my main Application, a 3D-CAD-System needs them.
You can use the "quisk_config.py" i stored in the files section as a base for Quisk - you only have to adapt the sound card interface.

I am using HiQSDR and Preselector with one of the first MPPA 10W-PA to be QRV and this combination works perfect. I got QSOs with just 10Ws over whole europe with good to excellent rapports.
Before some days, i coupled my Expert 1K-PA to the HiQSDR, using the 10W-MPPA (IP3<41dB!)
You have only touse the externat PPT output to switch the TX-Relay directly from the Presleector and route the
J3 Antenna Preselector output to the Expert 1K input. thats all.

Usinge the 10W MPPA as driver, my HiQSDR outputs >450W PEP
withput any problems, the HiQSDR & Presel Modules are
open and not specially shielded on top of the Expert-1K PA.......

The HiQSDR 100W-PA (HPPA) is currently under development and i think it will be available end of year as a series product.

Next weeks i set up a HiQSDR accessible
via Internet running QTRADIO Server and coupled
to my 3 Ele-SteppIr-Beam.
Sid has his Rig also in the Internet,
working very fine on 20m and up.

If you have any questions, please feel free to ask, here on the group are many skilled HAM's using HiQSDR ;-))

73!
Helmut, DB1CC

BTW: MPPA development is complete, it works really good and will be available in short time. I will upload the related Infos next days
to the files section.

679. Re: [n2adr-sdr] Re: HIQSDR and Windows

Yahoo group: n2adr-sdr
Date: 2012-09-17 12:18:34 UTC
From: Sid Boyce
Topic: 647 Message: 679

Excellent Helmut,
I think you answered the question I was going to ask about whether the 1W driver was needed to drive the 10W MPPA. It's good to know it's not needed so I can divert it to my UHFSDR to provide 1W output.

I check almost daily to see when the 10W MPPA is available.
73 ... Sid.

On 17/09/12 09:37, Helmut Goebkes wrote:
>
> Hi Rune,
>
> HiQSDR and Preselector works very fine und Windows 7.
> I am using both operating systems, Windows 7 Ultimate 64 Bit
> and Linux, Ubuntu 12.4 - on both Quisk is working very successful,
> but under Linux, Quisk works a little bit smooother.
>
> Nevertheless, both are absolutely useful. ther are many programs who
> are working with HiQSDR, but Quisk is the "reference" programm
> operating HiQSDR.
> Normally i am using Quisk under Windows 7 because my main Application,
> a 3D-CAD-System needs them.
> You can use the "quisk_config.py" i stored in the files section as a
> base for Quisk - you only have to adapt the sound card interface.
>
> I am using HiQSDR and Preselector with one of the first MPPA 10W-PA to
> be QRV and this combination works perfect. I got QSOs with just 10Ws
> over whole europe with good to excellent rapports.
> Before some days, i coupled my Expert 1K-PA to the HiQSDR, using the
> 10W-MPPA (IP3<41dB!) You have only touse the externat PPT output to
> switch the TX-Relay directly from the Presleector and route the
> J3 Antenna Preselector output to the Expert 1K input. thats all.
>
> Usinge the 10W MPPA as driver, my HiQSDR outputs >450W PEP
> withput any problems, the HiQSDR & Presel Modules are
> open and not specially shielded on top of the Expert-1K PA.......
>
> The HiQSDR 100W-PA (HPPA) is currently under development and i think
> it will be available end of year as a series product.
>
> Next weeks i set up a HiQSDR accessible
> via Internet running QTRADIO Server and coupled
> to my 3 Ele-SteppIr-Beam.
> Sid has his Rig also in the Internet,
> working very fine on 20m and up.

>
> If you have any questions, please feel free to ask, here on the group
> are many skilled HAM's using HiQSDR ;-))
>
> 73!
> Helmut, DB1CC
>
> BTW: MPPA development is complete, it works really good and will be
> available in short time. I will upload the related Infos next days
> to the files section.
>
>

--
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680. HiQSDR hamlib changes

Yahoo group: n2adr-sdr
Date: 2012-09-18 18:58:25 UTC
From: Sid Boyce
Topic: 680 Message: 680
Attachments: 2 described; binary payloads are missing from this source WARC

I have hand patched a fresh clone of hamlib-3.0~git with
hamlib-1.2.15-qsdr.patch and replaced hiqsdr.c with the one Jim sent me.
I have issued various commands.
Files attached.
73 ... Sid.

--
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681. Re: [n2adr-sdr] Getting Started

Yahoo group: n2adr-sdr
Date: 2012-09-19 10:04:56 UTC
From: Helmut Göbkes
Topic: 672 Message: 681

Hi John,

The HiQSDR is a complete, full digital DDC/DUC transceiver module,
no additional modules are neede for operation as transceiver.
The HiQSDR operates with a PC via Ethernet network with 100MBit/sec.

The RX and TX Parts are full duplex, so both can be operated simulateously or separate.
The RX sensitivity (MDS) is about -128dBm
TX delivers a 17dBm Signal (50mW) but is software programmable in 256 Steps from
0 to 18 dBm. IP3 is better than 45dB at 10dBm.
HiQSDR has a digitally programmable attenuator on board wich is programmable
from 2 to 42dB via software.

The price of a HiQSDR module is EUR 589.-- incl. VAT.
We can deliver the HiQSDR Module from stock,
Preselector Module has delivery time of 3-4 weeks after order.
Package & Postage to UK is EUR 18.-- insured & registered DHL package
payable to

Bank Hypovereinsbank Landsberg
Account Holder Technologie 2000 GmbH
IBAN DE57720200706110181866
SWIFT (BIC) HYVEDEMM408

alternatively you can pay also via paypal to hgoebkes@...

*** if you order, please post your complete international postage address
for shipping!

Best regards

Technologie 2000 GmbH
Dipl. Ing. Helmut Göbkes, DB1CC
Molkereistrasse 5
D 89367 Waldstetten
Germany

From: John
Sent: Thursday, September 13, 2012 7:14 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Getting Started

Is the Main TRX Module usable as a receiver and low power transmitter on its own or are
other PCB's / modules needed?

Is there a specification for the Main TRX Module

Thanks,
John G3UGY

From: Helmut Göbkes
Sent: Thursday, September 13, 2012 4:01 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Getting Started

Hi Amandaq,

you will find it here, available currently from stock:

http://www.technologie2000.de/page8.html

73!
Helmut, DB1CC

682. Re: [n2adr-sdr] New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-23 13:19:36 UTC
From: 7L4IOU@arrl.net
Topic: 677 Message: 682

Dear OM,

Thank you very much!

The Windows version was downloaded.
working very good except rig contorl.

setup of Hamlib is difficult for me, not yet functioned.
Is it connectable with WSPR?

73, Hisami 7L4IOU

>Quisk Version 3.6.4 September 2012
>
>I added Hamlib control to Quisk. Set your digital or logging program to rig2,
>device localhost:4575. See the Help and docs.html. This is used to control
>Quisk from other digital mode programs such as WSPR.
>
>I added the Y scale to the graph above the waterfall.
>
>Quisk can now record the speaker audio and the digital samples to a WAV file.
>Set the file names using the config screen, and then use the "FileRec" button
>to start recording. Press the Help button for more information.
>
>
>
>

683. Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-24 16:01:21 UTC
From: rv3apm1
Topic: 677 Message: 683

Thank you

Tried on Ubuntu 64 12.10
all work with FLdigi
XML PC rig control , DIGL - audio loop
very good!
73

Serge

"jimahlstrom" <jahlstr@...> wrote:
>
> Quisk Version 3.6.4 September 2012
>
> I added Hamlib control to Quisk. Set your digital or logging program to rig2, device localhost:4575. See the Help and docs.html. This is used to control Quisk from other digital mode programs such as WSPR.
>
> I added the Y scale to the graph above the waterfall.

684. Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-25 19:47:02 UTC
From: rv3apm1
Topic: 677 Message: 684

Hisami,

I tried in Win 7 32 bit and CAT work
--
But I use FLdigi + Quisk 3.6.4
in FLdigi XML-PC
in Quisk DIGL

73 Serge RV3APM

>
> Dear OM,
>
> Thank you very much!
>
> The Windows version was downloaded.
> working very good except rig contorl.
>
> setup of Hamlib is difficult for me, not yet functioned.
> Is it connectable with WSPR?
>
> 73, Hisami 7L4IOU

685. Re: [n2adr-sdr] Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-25 20:20:07 UTC
From: Sid Boyce
Topic: 677 Message: 685

I tried it on the ODROID-X and got some errors I haven't yet found the cause of.

I've built ghpsdr3-alex on the ODROID-X and currently running QtRadio on it. Andrea's latest changes to his iw0hdv branch being used - he added preamp control last night.

If I get around to it later I'll try hiqsdr-server and dspserver running on it also, hopefully at 960Ksps.

wxGTK all looks fine.

```
---------------------------
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
File "quisk.py", line 3090, in OnReadSound
self.waterfall.OnGraphData(data) # save waterfall data
File "quisk.py", line 1388, in OnGraphData
self.pane2.OnGraphData(data)
File "quisk.py", line 1416, in OnGraphData
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bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
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"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
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return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
14665, in <lambda>
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File "quisk.py", line 1416, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1329, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
73 ... Sid.
```

On 25/09/12 20:47, rv3apm1 wrote:
>
>
> Hisami,
>
> I tried in Win 7 32 bit and CAT work
> --
> But I use FLdigi + Quisk 3.6.4
> in FLdigi XML-PC
> in Quisk DIGL
>
> 73 Serge RV3APM
>
> >
> > Dear OM,
> >
> > Thank you very much!
> >
> > The Windows version was downloaded.
> > working very good except rig contorl.
> >
> > setup of Hamlib is difficult for me, not yet functioned.
> > Is it connectable with WSPR?
> >
> > 73, Hisami 7L4IOU
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

686. Re: [n2adr-sdr] Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-26 01:38:45 UTC
From: Hisami DEJIMA
Topic: 677 Message: 686

Hello Serge,

Thank you for the report.
Is any definition necessary in quisk_conf.py?

btw,
I am new in HiQSDR and Quisk also no experience using Hamlib.
begin to reading
http://sourceforge.net/apps/mediawiki/hamlib/index.php?title=Main_Page

Thanks again.

73, Hisami 7L4IOU

>
>Hisami,
>
>I tried in Win 7 32 bit and CAT work
>--
>But I use FLdigi + Quisk 3.6.4
>in FLdigi XML-PC
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>73 Serge RV3APM
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>> Dear OM,
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>>
>> setup of Hamlib is difficult for me, not yet functioned.
>> Is it connectable with WSPR?
>>
>> 73, Hisami 7L4IOU
>
>
>
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>----------

687. Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-26 11:47:43 UTC
From: rv3apm1
Topic: 677 Message: 687

Hello Hisami,

No any special - all what in
http://james.ahlstrom.name/quisk/docs.html

I use for FLdigi XML CAT not Hamlib,and all OK with DIGL mode.
Pair FLdigi+Quisk work fb for CAT and VAC (add rows for it in quisk_config)
digital_input_name = "Line 2"
digital_output_name = "Line 1"

I understood for Hamlib you must to try latest version where use rig : nr.2 Hamlib rigctrl Net with localhost:4575
Also it show in quisk_default (in main directory Quisk)

73! Serge RV3APM

>
> Hello Serge,
>
> Thank you for the report.
> Is any definition necessary in quisk_conf.py?
>
.
>
> 73, Hisami 7L4IOU

688. Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-26 11:58:47 UTC
From: ylo58
Topic: 677 Message: 688

Hi,

thanks for the excellent piece of software.

I have had a minor inconvenience when installing quisk on Linux: it seems that "python setup.py install" misses the usb/backend directory when copying files to system location. With this copied manually, Softrock RX works great.

Regards,

Ulo

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Quisk Version 3.6.4 September 2012
>
> I added Hamlib control to Quisk. Set your digital or logging program to rig2, device localhost:4575. See the Help and docs.html. This is used to control Quisk from other digital mode programs such as WSPR.
>
> I added the Y scale to the graph above the waterfall.
>
> Quisk can now record the speaker audio and the digital samples to a WAV file. Set the file names using the config screen, and then use the "FileRec" button to start recording. Press the Help button for more information.
>

689. Re: [n2adr-sdr] Re: New Quisk 3.6.4

Yahoo group: n2adr-sdr
Date: 2012-09-27 04:13:09 UTC
From: Hisami DEJIMA
Topic: 677 Message: 689

Hello Serge,

Thank you for the informations.

I formatted HDD, and installed Windows 7 English version
and Ubuntu last night.

I will try clear install to the new environment.

Your report is cheers up me.
Thanks again.

73, Hisami 7L4IOU

>Hello Hisami,
>
>No any special - all what in
>http://james.ahlstrom.name/quisk/docs.html
>
>I use for FLdigi XML CAT not Hamlib,and all OK with DIGL mode.
>Pair FLdigi+Quisk work fb for CAT and VAC (add rows for it in
>quisk_config)
>digital_input_name = "Line 2"
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>I understood for Hamlib you must to try latest version where use rig
> : nr.2 Hamlib rigctrl Net with localhost:4575
>Also it show in quisk_default (in main directory Quisk)
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>> 73, Hisami 7L4IOU
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>Yahoo! Groups Links
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690. Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-10-02 20:27:47 UTC
From: Sid Boyce
Topic: 690 Message: 690

I have been trying so far unsuccessfully to trace what exactly controls this LED.

My configuration is Antenna at BU3 for RX and TX and switch to TX operation by PTT.

DUPLEX/ on HiQSDR X3 is not connected.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

691. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-10-03 07:38:46 UTC
From: Helmut Göbkes
Topic: 690 Message: 691

Hi Sid,

This LED is controlled by Preselector X2, Pin7, signal name CCTX wich is a spare signal.
This signal is pulled to logic high (3.3V) with a 10k Resistor (to X2,Pin9) to inactivate this
signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the FPGA
is unprogrammed and therefore in high impedance state.
If this signal is pulled low, REL3 (and FDX-LED) is activated and both HiQSDR signals path RX and TX are connected directly to the corresponding RX/TX SMA connectors BU1/BU2.

This works only if the active Filtermodule also has selected BU1/BU2 as connections.
This is a feature to be used later, because it needs Firmware code support in FPGA
wich is not done now.

Under normal circumstances, this LED should never lit, because it is üulled up to 3.3V
to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).

Best regards!

Helmut, DB1CC

From: Sid Boyce
Sent: Tuesday, October 02, 2012 10:27 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Preselector FDX LED permanently on

I have been trying so far unsuccessfully to trace what exactly controls
this LED.

My configuration is Antenna at BU3 for RX and TX and switch to TX
operation by PTT.

DUPLEX/ on HiQSDR X3 is not connected.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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692. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-10-03 10:01:23 UTC
From: Sid Boyce
Topic: 690 Message: 692

I am receiving using BU3 with the FDX LED always on.

X2 pin 9 via the cable to HiQSDR X1 pin 9 should be holding it high.
I'll check the cable for connectivity.
73 ... Sid.

On 03/10/12 08:38, Helmut G?bkes wrote:
>
> Hi Sid,
> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
> is a spare signal.
> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
> X2,Pin9) to inactivate this
> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
> FPGA
> is unprogrammed and therefore in high impedance state.
> If this signal is pulled low, REL3 (and FDX-LED) is activated and both
> HiQSDR signals path
> RX and TX are connected directly to the corresponding RX/TX SMA
> connectors BU1/BU2.
> This works only if the active Filtermodule also has selected BU1/BU2
> as connections.
> This is a feature to be used later, because it needs Firmware code
> support in FPGA
> wich is not done now.
> Under normal circumstances, this LED should never lit, because it is
> ?ulled up to 3.3V
> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
> Best regards!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Tuesday, October 02, 2012 10:27 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
>
> I have been trying so far unsuccessfully to trace what exactly controls
> this LED.
>
> My configuration is Antenna at BU3 for RX and TX and switch to TX
> operation by PTT.
>
> DUPLEX/ on HiQSDR X3 is not connected.
> 73 ... Sid.
>

> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

693. Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 08:26:03 UTC
From: zl2apv
Topic: 693 Message: 693

Hi all,

First post so be gentle. I have a problem with my HiQSDR whereby the audio pulses and distorts for about 5 secs approximately every 5 minutes. The spectrum is also affected at the same time.

I am using xubuntu 12.04 LTS running Quisk or ghpsdr3-alex and the fault appears on both. It seems to be in the HiQSDR board itself and also the first 2 or 3 seconds of TX is not right ssb or cw but more info on that later when I check it further. The VNA works correctly to further add to the mystery.

I will place a .wav file and a screenshot of the problem in a ZL2APV folder in the files section for those who may be able to help. Thank you for taking the time to read this post and I will appreciate any help I can get.

73 Graeme ZL2APV

694. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 09:18:04 UTC
From: Helmut Goebkes
Topic: 693 Message: 694

HI Graeme,

it looks like you are running out of I/Q samples or a network problem.
Do you have any other heavy load @ your network like streaming video, video on demand service or so?
The distorted spectrum looks linke wrong or missing I/Q values.

other possibility is a wrong quisk_config.py. before Version 3.6,
i used the "graph_refresh" parameter often with more than 15, because my computer is fast enogh. After that version all refresh rates
over 10 results in periodically stops in Waterfall and distorted audio.

How is the HiQSDR connected to the PC via a Cros cable (not suggested)
or via a switch?
On the other hand, if QuiskVNA works, all on HiQSDR should be ok because the internal logic is identical and only the (frequency" is swept.

Can you try the Hardware PTT/CW key connection on the bord? is TX behaviour the same?

best regards & 73!
Helmut, DB1CC

695. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 09:37:52 UTC
From: zl2apv
Topic: 693 Message: 695

Hi Helmut,

Thanks for the tips. I will look into these but will be away for two days so there will be some delay.

My network setup is that the HiQSDR is plugged into the adsl modem ethernet port and the computer connects to the modem via wifi. It may be a speed issue and I will try direct ethernet connection of the computer to the modem although it runs all my other sdr's ok but only tried 96 KHz on them. Yes buffer under runs seem very likely, I will respond soon.

Tnx es 73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> HI Graeme,
>
> it looks like you are running out of I/Q samples or a network problem.
> Do you have any other heavy load @ your network like streaming video, video on demand service or so?
> The distorted spectrum looks linke wrong or missing I/Q values.
>
> other possibility is a wrong quisk_config.py. before Version 3.6,
> i used the "graph_refresh" parameter often with more than 15, because my computer is fast enogh. After that version all refresh rates
> over 10 results in periodically stops in Waterfall and distorted audio.
>
> How is the HiQSDR connected to the PC via a Cros cable (not suggested)
> or via a switch?
> On the other hand, if QuiskVNA works, all on HiQSDR should be ok because the internal logic is identical and only the (frequency" is swept.
>
> Can you try the Hardware PTT/CW key connection on the bord? is TX behaviour the same?
>
> best regards & 73!
> Helmut, DB1CC
>

696. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 10:04:20 UTC
From: Mario
Topic: 693 Message: 696

Hi Graeme,

i also sometimes use the setup similar to you.
The HIQSDR is connected to the network switch and the PC via Wifi.
This usually works stable up to 192kSpl/s if the network is not busy with something else.
With higher rates usually problems will appear.
You can see datalosses in the setup window of Quisk. There is a counter increasing if data is lost.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@...> wrote:
>
> Hi Helmut,
>
> Thanks for the tips. I will look into these but will be away for two days so there will be some delay.
>
> My network setup is that the HiQSDR is plugged into the adsl modem ethernet port and the computer connects to the modem via wifi. It may be a speed issue and I will try direct ethernet connection of the computer to the modem although it runs all my other sdr's ok but only tried 96 KHz on them. Yes buffer under runs seem very likely, I will respond soon.
>
> Tnx es 73, Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> >
> > HI Graeme,
> >
> > it looks like you are running out of I/Q samples or a network problem.
> > Do you have any other heavy load @ your network like streaming video, video on demand service or so?
> > The distorted spectrum looks linke wrong or missing I/Q values.
> >
> > other possibility is a wrong quisk_config.py. before Version 3.6,
> > i used the "graph_refresh" parameter often with more than 15, because my computer is fast enogh. After that version all refresh rates
> > over 10 results in periodically stops in Waterfall and distorted audio.
> >
> > How is the HiQSDR connected to the PC via a Cros cable (not suggested)
> > or via a switch?
> > On the other hand, if QuiskVNA works, all on HiQSDR should be ok because the internal logic is identical and only the (frequency" is swept.
> >
> > Can you try the Hardware PTT/CW key connection on the bord? is TX behaviour the same?

> >
> > best regards & 73!
> > Helmut, DB1CC
> >
>

697. Re: [n2adr-sdr] Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 10:15:57 UTC
From: Oliver Goldenstein
Topic: 693 Message: 697

Hi Graeme et al!

Graeme i first had the same issues. At my server, currently online, both hiqsdr and the hiqsdr-server machine (hiqsdr-server and dspserver) are connected by lan to the vDSL router. I access the server the with QtRadio via Wifi with no problems.

If the dspserver mashine uses wifi also, maybe thats the bottleneck?!

73 Oliver DL6KBG
Am 26.10.2012 12:07 schrieb "zl2apv" <gvjury@...>:

> Hi all,
>
> First post so be gentle. I have a problem with my HiQSDR whereby the audio
> pulses and distorts for about 5 secs approximately every 5 minutes. The
> spectrum is also affected at the same time.
>
> I am using xubuntu 12.04 LTS running Quisk or ghpsdr3-alex and the fault
> appears on both. It seems to be in the HiQSDR board itself and also the
> first 2 or 3 seconds of TX is not right ssb or cw but more info on that
> later when I check it further. The VNA works correctly to further add to
> the mystery.
>
> I will place a .wav file and a screenshot of the problem in a ZL2APV
> folder in the files section for those who may be able to help. Thank you
> for taking the time to read this post and I will appreciate any help I can
> get.
>
> 73 Graeme ZL2APV
>
>
>
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> Yahoo! Groups Links
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698. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-10-26 16:41:03 UTC
From: Guenter DL7LA
Topic: 693 Message: 698

Hi, Graeme,

exactly the same problem here (using a Compaq 6720s) and running Mint Maya which is based on Ubuntu 12.04 LTS. Another notebook running Ubuntu 10.10 does not show this effect.

In a renowned German computer magazine a fortnight ago there was a letter to the editor on the same issue. An Atheros WLAN Module loses periodically (every 2 minutes) the connection to the base. Syslog contains a cryptic message like '...deauthenticating...by local choice(reason=3)...'.

Their staff suggests as a workaround to disable the IPv6 support for the WLAN connection. It looks like the network manager tries to connect to new cells in a regular background scan.

Some other suggestions for notebooks seem not applicable here unfortunately. These include locking the client (that would be quisk in effect) to the BSSID/MAC adress of the WLAN station.

I have still to find that setting in my adapter though.

HTH
73
Guenter DL7LA

--- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@...> wrote:
>
> Hi all,
>
> First post so be gentle. I have a problem with my HiQSDR whereby the audio pulses and distorts for about 5 secs approximately every 5 minutes. The spectrum is also affected at the same time.
>
> I am using xubuntu 12.04 LTS running Quisk or ghpsdr3-alex and the fault appears on both. It seems to be in the HiQSDR board itself and also the first 2 or 3 seconds of TX is not right ssb or cw but more info on that later when I check it further. The VNA works correctly to further add to the mystery.
>
> I will place a .wav file and a screenshot of the problem in a ZL2APV folder in the files section for those who may be able to help. Thank you for taking the time to read this post and I will appreciate any help I can get.
>
> 73 Graeme ZL2APV
>

699. HIQSDR Odroid-X and Quisk

Yahoo group: n2adr-sdr
Date: 2012-10-30 10:35:53 UTC
From: rune
Topic: 699 Message: 699

Hi gents

I finally got around and get an working img on my Odroid-X
Ubuntu HDMI.RC5

Installed latest Quisk and yes the first sound from the HIQSDR was there :-)

I am a newbie on Linux so i need all info and help i can get.
Here is the errors i got, i don't have any panadaper
or WF, scope etc.

Yes the error i think is related to this, so please any help :-)

73 Rune LA7THA/MM

```
14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
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BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
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^C
linaro@linaro-ubuntu-desktop:~/Downloads/quisk-3.6.4$
```

700. Re: [n2adr-sdr] HIQSDR Odroid-X and Quisk

Yahoo group: n2adr-sdr
Date: 2012-10-30 16:52:41 UTC
From: Sid Boyce
Topic: 699 Message: 700

```
Installing libwxgtk2.6-0 didn't fix it either.
ii libwxgtk2.6-0 2.6.3.2.2-5ubuntu4 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ runtime)
ii libwxgtk2.8-0 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ runtime)
ii libwxgtk2.8-dev 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ development)
ii python-wxgtk2.8 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (wxPython binding)
ii python-wxversion 2.8.12.1-6ubuntu2 wxWidgets Cross-platform C++ GUI
toolkit (wxPython version selector)
73 ... Sid.

On 30/10/12 10:35, rune wrote:
>
> Hi gents
>
> I finally got around and get an working img on my Odroid-X
> Ubuntu .........HDMI.RC5
>
> Installed latest Quisk and yes the first sound from the HIQSDR was
> there :-)
>
> I am a newbie on Linux so i need all info and help i can get.
> Here is the errors i got, i don't have any panadaper
> or WF, scope etc.
>
> Yes the error i think is related to this, so please any help :-)
>
> 73 Rune LA7THA/MM
>
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> File "quisk.py", line 1329, in OnGraphData
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```

```
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> line 856, in BitmapFromBuffer
> return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
> RuntimeError: Failed to gain raw access to bitmap data.
> ^C
> linaro@linaro-ubuntu-desktop:~/Downloads/quisk-3.6.4$
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks
```

701. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-10-31 01:10:39 UTC
From: Sid Boyce
Topic: 690 Message: 701

Hi Helmut,
Measured the following.
IC7-12 +0.03V
IC7-8 0V

IC7-8 --> IC5-11 Low in would turn IC5-10 FDX_ON High.
I have yet to check HiQSDR X1-9 and Preselector X2-9 for +3.3V - a job
for tomorrow.
73 ... Sid.

On 03/10/12 08:38, Helmut G?bkes wrote:
>
> Hi Sid,
> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
> is a spare signal.
> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
> X2,Pin9) to inactivate this
> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
> FPGA
> is unprogrammed and therefore in high impedance state.
> If this signal is pulled low, REL3 (and FDX-LED) is activated and both
> HiQSDR signals path
> RX and TX are connected directly to the corresponding RX/TX SMA
> connectors BU1/BU2.
> This works only if the active Filtermodule also has selected BU1/BU2
> as connections.
> This is a feature to be used later, because it needs Firmware code
> support in FPGA
> wich is not done now.
> Under normal circumstances, this LED should never lit, because it is
> ?ulled up to 3.3V
> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
> Best regards!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Tuesday, October 02, 2012 10:27 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
>
> I have been trying so far unsuccessfully to trace what exactly controls
> this LED.
>
> My configuration is Antenna at BU3 for RX and TX and switch to TX
> operation by PTT.

>
> DUPLEX/ on HiQSDR X3 is not connected.
> 73 ... Sid.
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

702. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-10-31 02:34:30 UTC
From: Sid Boyce
Topic: 690 Message: 702

Hi Helmut,
Measured the following.
IC7-12 +0.03V
IC7-8 0V

IC7-8 --> IC5-11 Low in would turn IC5-10 FDX_ON High.

R51 (X2-9) +3.29V
R51 other side +0.29V
73 ... Sid.

On 03/10/12 08:38, Helmut G?bkes wrote:
>
> Hi Sid,
> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
> is a spare signal.
> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
> X2,Pin9) to inactivate this
> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
> FPGA
> is unprogrammed and therefore in high impedance state.
> If this signal is pulled low, REL3 (and FDX-LED) is activated and both
> HiQSDR signals path
> RX and TX are connected directly to the corresponding RX/TX SMA
> connectors BU1/BU2.
> This works only if the active Filtermodule also has selected BU1/BU2
> as connections.
> This is a feature to be used later, because it needs Firmware code
> support in FPGA
> wich is not done now.
> Under normal circumstances, this LED should never lit, because it is
> ?ulled up to 3.3V
> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
> Best regards!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Tuesday, October 02, 2012 10:27 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
>
> I have been trying so far unsuccessfully to trace what exactly controls
> this LED.
>
> My configuration is Antenna at BU3 for RX and TX and switch to TX
> operation by PTT.

>
> DUPLEX/ on HiQSDR X3 is not connected.
> 73 ... Sid.
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

703. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-02 22:59:40 UTC
From: zl2apv
Topic: 693 Message: 703

Hi Guenter and all who have responded,

Many thanks for your time and interest, your help is appreciated.

I am now convinced there is nothing wrong with my HiQSDR and the problem lies with my networking but of course I can never rule any one thing out yet.

I can't disable my ipv6 and have tried two methods plus the ignore option. I think some other software is re-establishing it after boot up and am suspicious that it is the problem.

My setup is ...

```
gvj@E1505:~/programs/quisk-3.6.4$ sudo ifconfig wlan2:1 192.168.2.1
[sudo] password for gvj:

gvj@E1505:~/programs/quisk-3.6.4$ ifconfig
eth2 Link encap:Ethernet HWaddr 00:15:c5:14:cc:12
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
Interrupt:17

lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:11234810 errors:0 dropped:0 overruns:0 frame:0
TX packets:11234810 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:6149598401 (6.1 GB) TX bytes:6149598401 (6.1 GB)

wlan2 Link encap:Ethernet HWaddr 00:13:02:5d:79:00
inet addr:192.168.1.22 Bcast:192.168.1.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:3309726 errors:0 dropped:0 overruns:0 frame:0
TX packets:135675 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:591321290 (591.3 MB) TX bytes:20296363 (20.2 MB)

wlan2:1 Link encap:Ethernet HWaddr 00:13:02:5d:79:00
inet addr:192.168.2.1 Bcast:192.168.2.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

As a side issue I am using a laptop and would like the 192.168.2.196 to be sticky rather than have to be loaded each time I wake up my computer and would appreciate any pointers.

Using Quisk when the fault condition occurs the following is observed on the config screen ...

Sample Interrupts go jerky
Capture radio samples increase rapidly (latency remains stable)
Capture microphone samples latency becomes jerky with high numbers errors are 0
Play radio sound latency goes to 0 and errors increase

Using ghpsdr3-alex gives the same faults and I have run the HiQSDR at a sample rate of 48000 with no improvement in performance so I assume that network speed is not the bottleneck.

I wonder if it would be a good test for me to make pu a twisted ethernet cable and direct connect the HiQSDR board to my laptop and take the router out of the loop?

Obviously I am very keen to fix this as of course it prevents me from going on air with the frequent stoppages.

73 Graeme ZL2APV
--- In n2adr-sdr@yahoogroups.com, "Guenter DL7LA" <dl7la@...> wrote:
>
> Hi, Graeme,
>
> exactly the same problem here (using a Compaq 6720s) and running Mint Maya which is based on Ubuntu 12.04 LTS. Another notebook running Ubuntu 10.10 does not show this effect.
>
> In a renowned German computer magazine a fortnight ago there was a letter to the editor on the same issue. An Atheros WLAN Module loses periodically (every 2 minutes) the connection to the base. Syslog contains a cryptic message like '...deauthenticating...by local choice(reason=3)...'.
>
> Their staff suggests as a workaround to disable the IPv6 support for the WLAN connection. It looks like the network manager tries to connect to new cells in a regular background scan.
>
> Some other suggestions for notebooks seem not applicable here unfortunately. These include locking the client (that would be quisk in effect) to the BSSID/MAC adress of the WLAN station.
>
> I have still to find that setting in my adapter though.
>
> HTH
> 73
> Guenter DL7LA
[SNIP]

704. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-03 08:11:12 UTC
From: zl2apv
Topic: 693 Message: 704

Hi all who have been looking at my problem, I have made up a cross connect cable and although it is difficult to get a connection when it finally does connect Quisk and HiQSDR run perfectly so now I have isolated the problem to my local lan setup.

With the cross connect cable I lose the connection every little while and need to use the command 'sudo route add 192.168.2.196 dev eth2' to restore the connection. I am not so worried about the unstable connection as it is not my intention to run the radio this way although I would be very interested to know if there is a way to permanently add 192.168.2.196 to my router table on the PC.

I am suspicious of IPv6 but as posted earlier I can't seem to disable it. Even when I am the only computer on my local lan with no extra activity my pulsing fault is there and I doubt bandwidth is the problem but at this stage nothing is certain.

I have used ghpsdr3-alex with HiQSDR and this is the error message I get

```
WARNING: Expected: 232, found: 26
WARNING: Expected: 28, found: 231
WARNING: Expected: 233, found: 27
WARNING: Expected: 29, found: 232
>>>>>>>>>>>>>> user_data_callback: #samples: 240
>>>>>>>>>>>>>> LSB first: i: 1AFEFF q: 84FDFF
>>>>>>>>>>>>>> i: 0xFFFE1900 q: 0xFFFECB00
>>>>>>>>>>>>>> i: -0.000013 q: 0.000018
WARNING: Expected: 235, found: 28
WARNING: Expected: 30, found: 234
WARNING: Expected: 236, found: 29
WARNING: Expected: 31, found: 235
WARNING: Expected: 237, found: 30
WARNING: Expected: 34, found: 39
WARNING: Expected: 47, found: 49
WARNING: Expected: 57, found: 66
WARNING: Expected: 74, found: 87
WARNING: Expected: 95, found: 103
WARNING: Expected: 111, found: 115
WARNING: Expected: 123, found: 123
WARNING: Expected: 131, found: 138
WARNING: Expected: 146, found: 149
^C
```

Hope this narrows things down a bit.

73 Graeme ZL2APV

705. Re: [n2adr-sdr] Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-03 10:48:06 UTC
From: andrea montefusco
Topic: 693 Message: 705

On Sat, Nov 3, 2012 at 9:11 AM, zl2apv <gvjury@...> wrote:

> I am suspicious of IPv6 but as posted earlier I can't seem to disable it. Even when I am the only computer on my local lan with no extra activity my pulsing fault is there and I doubt bandwidth is the problem but at this stage nothing is certain.
>
> I have used ghpsdr3-alex with HiQSDR and this is the error message I get
>
> WARNING: Expected: 232, found: 26
> WARNING: Expected: 28, found: 231

Hi Graeme,

the messages above mean that we are receiving badly out of sequences
frames from radio hardware, so, I believe the network layer is
experiencing troubles.

Concerning IPv6, I wouldn't say that it can be harmful.

am

--
Andrea Montefusco IW0HDV

706. QtRadioManager: A database driven frequency and recordings manager for QtRadio, Quisk and others

Yahoo group: n2adr-sdr
Date: 2012-11-03 11:30:01 UTC
From: Oliver Goldenstein
Topic: 706 Message: 706
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All !

I put together a little piece of software. It is a learning project for me
and in an very early stage.

Please refer to the README for using it with Quisk at github:

You will find the program here:

https://github.com/dl6kbg/qtradiomanager

Looking forward to see your feedback/ suggestions.

73 Oliver DL6KBG

707. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-04 00:25:18 UTC
From: zl2apv
Topic: 693 Message: 707

Hi Andrea,

Thanks for the response. The fact that the radio works perfectly on a cross cable direct connect makes me think all is OK on my computer and HiQSDR and as you suggest IPv6 is not contributing to the problem. It seems it is in my local lan. I need to do some learning as I am very inexperienced with networking but at least I know where to start looking now.

Looking forward to having my radio on line soon.

tnx es 73 Graeme

--- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@...> wrote:
>
> On Sat, Nov 3, 2012 at 9:11 AM, zl2apv <gvjury@...> wrote:
>
> > I am suspicious of IPv6 but as posted earlier I can't seem to disable it. Even when I am the only computer on my local lan with no extra activity my pulsing fault is there and I doubt bandwidth is the problem but at this stage nothing is certain.
> >
> > I have used ghpsdr3-alex with HiQSDR and this is the error message I get
> >
> > WARNING: Expected: 232, found: 26
> > WARNING: Expected: 28, found: 231
>
> Hi Graeme,
>
> the messages above mean that we are receiving badly out of sequences
> frames from radio hardware, so, I believe the network layer is
> experiencing troubles.
>
> Concerning IPv6, I wouldn't say that it can be harmful.
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
>

708. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-04 18:25:07 UTC
From: Mario
Topic: 693 Message: 708

One thing that comes back to my mind:
In the past i wondered about drops in video streaming in my wired lan error as well as problems with my file share. I nailed this down that it just happened if a windows PC was online in the network (Wifi or wired does not matter). Some sessions of debug of the network traffic showed that some communicator functions in Windows use the same port that is used for upnp multimedia plug&play. This caused some strange responses which caused a reset of the spanning-tree routing of all switches that were in between. Then it needs some seconds until the switch learns all routes again. Pherhaps something similar happens in your network.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@...> wrote:
>
> Hi Andrea,
>
> Thanks for the response. The fact that the radio works perfectly on a cross cable direct connect makes me think all is OK on my computer and HiQSDR and as you suggest IPv6 is not contributing to the problem. It seems it is in my local lan. I need to do some learning as I am very inexperienced with networking but at least I know where to start looking now.
>
> Looking forward to having my radio on line soon.
>
> tnx es 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@> wrote:
> >
> > On Sat, Nov 3, 2012 at 9:11 AM, zl2apv <gvjury@> wrote:
> >
> > > I am suspicious of IPv6 but as posted earlier I can't seem to disable it. Even when I am the only computer on my local lan with no extra activity my pulsing fault is there and I doubt bandwidth is the problem but at this stage nothing is certain.
> > >
> > > I have used ghpsdr3-alex with HiQSDR and this is the error message I get
> > >
> > > WARNING: Expected: 232, found: 26
> > > WARNING: Expected: 28, found: 231
> >
> > Hi Graeme,
> >
> > the messages above mean that we are receiving badly out of sequences
> > frames from radio hardware, so, I believe the network layer is
> > experiencing troubles.
> >

> > Concerning IPv6, I wouldn't say that it can be harmful.
> >
> > *am*
> >
> > --
> > Andrea Montefusco IW0HDV
> >
>

709. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-04 18:57:50 UTC
From: Sid Boyce
Topic: 690 Message: 709

R51 measures only 1.5K .. checked on 2 DVM's just to make sure.
I should have some 0603 10K's around for replacement.
73 ... Sid.

On 31/10/12 02:34, Sid Boyce wrote:
>
> Hi Helmut,
> Measured the following.
> IC7-12 +0.03V
> IC7-8 0V
>
> IC7-8 --> IC5-11 Low in would turn IC5-10 FDX_ON High.
>
> R51 (X2-9) +3.29V
> R51 other side +0.29V
> 73 ... Sid.
>
> On 03/10/12 08:38, Helmut G?bkes wrote:
>>
>> Hi Sid,
>> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
>> is a spare signal.
>> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
>> X2,Pin9) to inactivate this
>> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
>> FPGA
>> is unprogrammed and therefore in high impedance state.
>> If this signal is pulled low, REL3 (and FDX-LED) is activated and
>> both HiQSDR signals path
>> RX and TX are connected directly to the corresponding RX/TX SMA
>> connectors BU1/BU2.
>> This works only if the active Filtermodule also has selected BU1/BU2
>> as connections.
>> This is a feature to be used later, because it needs Firmware code
>> support in FPGA
>> wich is not done now.
>> Under normal circumstances, this LED should never lit, because it is
>> ?ulled up to 3.3V
>> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
>> Best regards!
>> Helmut, DB1CC
>>
>> *From:* Sid Boyce <mailto:g3vbv@...>
>> *Sent:* Tuesday, October 02, 2012 10:27 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>

>> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
>>
>> I have been trying so far unsuccessfully to trace what exactly controls
>> this LED.
>>
>> My configuration is Antenna at BU3 for RX and TX and switch to TX
>> operation by PTT.
>>
>> DUPLEX/ on HiQSDR X3 is not connected.
>> 73 ... Sid.
>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

710. Re: Pulsing IQ

Yahoo group: n2adr-sdr
Date: 2012-11-04 19:26:02 UTC
From: zl2apv
Topic: 693 Message: 710

Hi Mario,

Thanks for your suggestions. I don't have any windows computers on my local lan, just Linux and Android but your suggestion of the router needing to relearn the routes sounds in line with my symptoms or somehow scrambling the udp packets out of sequence so I am off to learn how to observe my network traffic :-)

Thanks and 73,
Graeme

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> One thing that comes back to my mind:
> In the past i wondered about drops in video streaming in my wired lan error as well as problems with my file share. I nailed this down that it just happened if a windows PC was online in the network (Wifi or wired does not matter). Some sessions of debug of the network traffic showed that some communicator functions in Windows use the same port that is used for upnp multimedia plug&play. This caused some strange responses which caused a reset of the spanning-tree routing of all switches that were in between. Then it needs some seconds until the switch learns all routes again. Pherhaps something similar happens in your network.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@> wrote:
> >
> > Hi Andrea,
> >
> > Thanks for the response. The fact that the radio works perfectly on a cross cable direct connect makes me think all is OK on my computer and HiQSDR and as you suggest IPv6 is not contributing to the problem. It seems it is in my local lan. I need to do some learning as I am very inexperienced with networking but at least I know where to start looking now.
> >
> > Looking forward to having my radio on line soon.
> >
> > tnx es 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@> wrote:
> > >
> > > On Sat, Nov 3, 2012 at 9:11 AM, zl2apv <gvjury@> wrote:
> > >
> > > > I am suspicious of IPv6 but as posted earlier I can't seem to disable it. Even when I am the only computer on my local lan with no extra activity my pulsing fault is there and I doubt bandwidth is the problem but at this stage nothing is certain.

> > > >
> > > > I have used ghpsdr3-alex with HiQSDR and this is the error message I get
> > > >
> > > > WARNING: Expected: 232, found: 26
> > > > WARNING: Expected: 28, found: 231
> > >
> > > Hi Graeme,
> > >
> > > the messages above mean that we are receiving badly out of sequences
> > > frames from radio hardware, so, I believe the network layer is
> > > experiencing troubles.
> > >
> > > Concerning IPv6, I wouldn't say that it can be harmful.
> > >
> > > *am*
> > >
> > > --
> > > Andrea Montefusco IW0HDV
> > >
> >
>

711. Pulsing IQ - Solved

Yahoo group: n2adr-sdr
Date: 2012-11-05 02:33:17 UTC
From: zl2apv
Topic: 711 Message: 711

Hi All,

First a big thank you to all who helped with my problem.

After being steered to a probable local lan setup I eventually rebuilt everything including resetting the modem/router and rebuilding my connections.

I also have as a temporary measure set my netmask to 255.255.0.0 which although opening up my local lan I think is fairly secure being hard wired (I stopped using the wireless connection). Now it is not necessary for me to add to the routing table.

My next step is to change the HiQSDR to the net address of 192.168.1.196 to keep everything on the same net address group but that is my next learning curve as I have never programmed an FPGA before.

Away in hospital for a couple of weeks so will continue when I get back. I must say I am delighted with my HiQSDR and feel I got great value for my money. My ideal rig is nearly here.

73 Graeme ZL2APV

712. IQ Demodulator ?

Yahoo group: n2adr-sdr
Date: 2012-11-07 13:10:33 UTC
From: Mario
Topic: 712 Message: 712

Hi all,

this is probably a question that goes towards Jim but i also want to find out if this makes sense at all...
Background is that during the weekend i tried to run CwSkimmer after a SDR software. The problem was that the Skimmer software expects IQ signals as input in order to get the full bandwidth. Currently i know of no SDR software that provides complex IQ demodulated signals instead of real signals. Therefore just half the bandwidth can be used there.
Woulnt it make sense to make this configurable for the DGTL mode somewhere in Quisk ? Then any other SDR software could be daisychained to Quisk.

What do you all think ?

regards
Mario

713. Fwd: MPPA Module and Cooling plate

Yahoo group: n2adr-sdr
Date: 2012-11-08 20:48:34 UTC
From: Sid Boyce
Topic: 713 Message: 713

Hi Helmut,
Original email sent 4 days ago, no reply to date.
73 ... Sid.

-------- Original Message --------
Subject: MPPA Module and Cooling plate
Date: Sun, 04 Nov 2012 15:49:44 +0000
From: Sid Boyce <sboyce@...>
Reply-To: sboyce@...
Organisation: blueyonder.co.uk
To: sales@...

Built and tested
151 euro
Request shipping price so I can send the total via Paypal.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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714. Re: [n2adr-sdr] Fwd: MPPA Module and Cooling plate

Yahoo group: n2adr-sdr
Date: 2012-11-09 12:24:18 UTC
From: Helmut Göbkes
Topic: 713 Message: 714

Hi SId, sorry,

i got no mail 4 days ago from you. We had the problem before...
Please resend your mail. i answer normally always within some hours!
sorry but i did not what you are requesting ?!?

73!
Helmut

From: Sid Boyce
Sent: Thursday, November 08, 2012 9:48 PM
To: n2adr-sdr@...m
Subject: [n2adr-sdr] Fwd: MPPA Module and Cooling plate

Hi Helmut,
Original email sent 4 days ago, no reply to date.
73 ... Sid.

-------- Original Message -------- Subject: MPPA Module and Cooling plate
Date: Sun, 04 Nov 2012 15:49:44 +0000
From: Sid Boyce <sboyce@blueyonder.co.uk>
Reply-To: sboyce@...
Organisation: blueyonder.co.uk
To: sales@...

Built and tested
151 euro
Request shipping price so I can send the total via Paypal.
73 ... Sid.

--
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715. Re: Fwd: MPPA Module and Cooling plate

Yahoo group: n2adr-sdr
Date: 2012-11-09 12:49:38 UTC
From: Helmut Goebkes
Topic: 713 Message: 715

Hi Sid,

sorry, didn't read the header (shame)
shipping cost to UK is EUR 18.--

73!

Helmut, DB1CC

716. Re: [n2adr-sdr] Re: Fwd: MPPA Module and Cooling plate

Yahoo group: n2adr-sdr
Date: 2012-11-09 14:47:49 UTC
From: Sid Boyce
Topic: 713 Message: 716

Thanks Helmut,
I shall email the order through next week.
73 ... Sid.

On 09/11/12 12:49, Helmut Goebkes wrote:
>
> Hi Sid,
>
> sorry, didn't read the header (shame)
> shipping cost to UK is EUR 18.--
>
> 73!
>
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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717. Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2012-11-12 18:06:56 UTC
From: jimahlstrom
Topic: 717 Message: 717

Quisk Version 3.6.5 November 2012

I added a waterfall method ChangeRfGain() that enables you to keep the waterfall colors constant
for changes in the RF gain control. See my n2adr directory for an example of how to use it.

I added the ability to connect Quisk to the hamlib rigctld daemon. This enables Quisk to work
with any rig compatible with hamlib. For an example, see quisk_conf_kx3.py. Push the Help button
for documentation.

I added a feature to measure the frequency of a continuous RF signal. Right click the S-meter window
to turn it on. Push the Help button for documentation. It is meant for precise frequency measurement
such as would be needed to characterize crystals for a filter. Precision is 0.01 Hertz.

[Power has been out for 14 days due to hurricane Sandy.]

718. Re: Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2012-11-14 15:28:28 UTC
From: jimahlstrom
Topic: 717 Message: 718

In Quisk 3.6.5 the frequency measurement feature does not work in CW mode because the feature does not work with RIT. For now, please measure frequencies with RIT turned off. I will fix this in the next release.

[P.S. We got our power back last night]

Jim
N2ADR

719. Re: Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2012-11-15 07:52:56 UTC
From: Mario
Topic: 717 Message: 719

Hey Jim,

thanks for the new version and the information.
Good to hear that you recover from Sandy.
Several customer from work here have serious impacts as well.
Many offices closed for quite a while and so on...
All the best ! I will try your software soon again as well. Still thinking about the IQ-DSB demodulator to connect the SO2SDR software to Quisk. You should have a look to
http://code.google.com/p/so2sdr/
Probably thats also of interest for you.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> In Quisk 3.6.5 the frequency measurement feature does not work in CW mode because the feature does not work with RIT. For now, please measure frequencies with RIT turned off. I will fix this in the next release.
>
> [P.S. We got our power back last night]
>
> Jim
> N2ADR
>

720. Re: IQ Demodulator ?

Yahoo group: n2adr-sdr
Date: 2012-11-16 20:15:08 UTC
From: Mario
Topic: 712 Message: 720

Hi all,

today i brought my HiQSDR board back to life with my 6.5V switched power supply i recently build. While trying a bit with the DGTL mode and CWSkimmer i noticed that the filter cannot be set to bandwith bigger than 6kHz anymore. Is this configured somewhere in the python files ?
It came to my mind that it would be very usefull if it is possible to use the samples from the frontend directly to stream it to the skimmer application. This should be not too difficult to use the IQ samples with a maximum of 192kSpl/s and put it to the Alsa loopback device. Then the skimmer would always get the full bandwidth and the demodulator in Quisk can be tuned independently.
What do the others think about that ?
My goal is to use the setup for CW contesting with some supporting tools like CWSkimmer or SO2SDR. Especially for SO2SDR the samples directly from the frontend would be usefull.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi all,
>
> this is probably a question that goes towards Jim but i also want to find out if this makes sense at all...
> Background is that during the weekend i tried to run CwSkimmer after a SDR software. The problem was that the Skimmer software expects IQ signals as input in order to get the full bandwidth. Currently i know of no SDR software that provides complex IQ demodulated signals instead of real signals. Therefore just half the bandwidth can be used there.
> Woulnt it make sense to make this configurable for the DGTL mode somewhere in Quisk ? Then any other SDR software could be daisychained to Quisk.
>
> What do you all think ?
>
> regards
> Mario
>

721. Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-17 00:10:15 UTC
From: CT1BPT
Topic: 721 Message: 721

Hi folks!
I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case).
Alternatively is there any software package (for windows) that can be easily installed to control HiQSDR?
In advsnce thanks for the help.
73s!
Silvio
ct1bpt

722. Re: [n2adr-sdr] Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-17 06:40:16 UTC
From: Sid Boyce
Topic: 721 Message: 722

There is hardly any need to understand python when dealing with quisk.
Once the application is installed and launched with the correct hardware
config file, that's it.

My first encounter with python was with quisk and that was at a very
early stage when I asked Jim to port to Softrock and he was sending on
versions for me to test as he had no Softrock gear.

I started learning python but never got very far - too many other
projects and distractions.

Though I deal exclusively with Linux where there are more steps to be
followed than installing a .msi file I have provided easy ways for
others to install, configure and use quisk for use with Softrocks and
UHFSDR.
With HiQSDR there have been no issues.

The only other software that runs on both OS's is ghpsdr3-alex on
http://napan.ca/ghpsdr3/index.php/Main_Page
There is a Windows binary zip package provided, discussions take place
on sdr-widget group on Google.
73 ... Sid.

On 17/11/12 00:10, CT1BPT wrote:
>
> Hi folks!
> I have searched but can not find out information beyond the Quisk
> there are any other windows program more accessible to those who do
> not know the Python language (in my case). Alternatively is there any
> software package (for windows) that can be easily installed to control
> HiQSDR?
> In advsnce thanks for the help.
> 73s!
> Silvio
> ct1bpt
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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723. RE: [n2adr-sdr] Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-17 14:37:18 UTC
From: silvio leiria
Topic: 721 Message: 723

Hi Sid, 73s!
Tanks for informations.
I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
I go to read more about python and look the link you sent me.
The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
Best regards, 73s
Silvio
ct1bpt

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Sat, 17 Nov 2012 06:40:16 +0000
Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)

There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.

My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.

I started learning python but never got very far - too many other projects and distractions.

Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
With HiQSDR there have been no issues.

The only other software that runs on both OS's is ghpsdr3-alex on http://napan.ca/ghpsdr3/index.php/Main_Page
There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
73 ... Sid.

On 17/11/12 00:10, CT1BPT wrote:

Hi folks!
I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case).
Alternatively is there any software package (for windows) that can be easily installed to

control HiQSDR?
In advsnce thanks for the help.
73s!
Silvio
ct1bpt

--
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724. Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-17 16:04:52 UTC
From: Mario
Topic: 721 Message: 724

Hi Silvio,

i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
Installing and trying Quisk prior to purchasing hardware is a good idea i think.
Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
Did you also install pyserial ? Probably the error message is missleading or some files are just not in the right directory.
Which Windows do you exactly use ? Probably someone can reproduce your issue.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@...> wrote:
>
>
>
> Hi Sid, 73s!
> Tanks for informations.
> I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
> My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
> I go to read more about python and look the link you sent me.
> The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> Best regards, 73s
> Silvio
> ct1bpt
>
>
>
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Sat, 17 Nov 2012 06:40:16 +0000
> Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
>
>
>
>
>
>
>
> There is hardly any need to understand python when dealing with quisk. Once the

application is installed and launched with the correct hardware config file, that's it.
>
> My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
>
> I started learning python but never got very far - too many other projects and distractions.
>
> Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
> With HiQSDR there have been no issues.
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> The only other software that runs on both OS's is ghpsdr3-alex on http://napan.ca/ghpsdr3/index.php/Main_Page
> There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
> 73 ... Sid.
>
> On 17/11/12 00:10, CT1BPT wrote:
>
>
>
> Hi folks!
> I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case). Alternatively is there any software package (for windows) that can be easily installed to control HiQSDR?
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> Silvio
> ct1bpt
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>

725. RE: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-18 00:28:04 UTC
From: silvio leiria
Topic: 721 Message: 725

Hi Mario 73s!
I tried installing on a PC with Windows7 and another with WindowsXP, but the result was exactly the same.
I normally use PowerSDR with a clone SDR1000 but the Quisk is very different and hence some difficulty at this early stage. I think with helps to be able to solve the problem.
I have a pc available only for working with SDRs, next week I will install Teamviewer, and maybe someone can help me remotely install and configure Quisk.
However I will continue to read the documentation to see if I understand where I am going wrong.
I'll give news soon.
Best regards Mário, 73s
Silvio
ct1bpt

To: n2adr-sdr@yahoogroups.com
From: dh5ym@...
Date: Sat, 17 Nov 2012 16:04:52 +0000
Subject: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)

Hi Silvio,

i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
Installing and trying Quisk prior to purchasing hardware is a good idea i think.
Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
Did you also install pyserial ? Probably the error message is missleading or some files are just not in the right directory.
Which Windows do you exactly use ? Probably someone can reproduce your issue.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@...> wrote:
>
>
>
> Hi Sid, 73s!
> Tanks for informations.
> I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
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> I go to read more about python and look the link you sent me.

> The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> Best regards, 73s
> Silvio
> ct1bpt
>
>
>
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Sat, 17 Nov 2012 06:40:16 +0000
> Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
>
>
>
>
>
>
> There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.
>
> My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
>
> I started learning python but never got very far - too many other projects and distractions.
>
> Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
> With HiQSDR there have been no issues.
>
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> There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
> 73 ... Sid.
>
> On 17/11/12 00:10, CT1BPT wrote:
>
>
>
> Hi folks!
> I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case). Alternatively is there any software package (for windows) that can be easily installed to control HiQSDR?
> In advsnce thanks for the help.
> 73s!

> Silvio
> ct1bpt
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

726. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-18 00:45:19 UTC
From: Sid Boyce
Topic: 690 Message: 726

Problem still not resolved.

With the cable removed from either HiQSDR X1 or Preselector X2 R51 is 10K.

With both ends of cable connected R51 reads 1.5K.

Powered up:-
R51 at the X2 pin 9 end to GND is +3.29V, at the other end of R51 (going
to RN5) to GND is +0.29V.

IC7-12 +0.29V *** Looks like floating level.
IC7-8 0V

IC5-1 +4.97V
IC5-2 0V
IC5-11 0V
IC5-10 +4.97V

With the cable removed the FDX LED still comes ON.
73 ... Sid.

On 03/10/12 08:38, Helmut G?bkes wrote:
>
> Hi Sid,
> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
> is a spare signal.
> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
> X2,Pin9) to inactivate this
> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
> FPGA
> is unprogrammed and therefore in high impedance state.
> If this signal is pulled low, REL3 (and FDX-LED) is activated and both
> HiQSDR signals path
> RX and TX are connected directly to the corresponding RX/TX SMA
> connectors BU1/BU2.
> This works only if the active Filtermodule also has selected BU1/BU2
> as connections.
> This is a feature to be used later, because it needs Firmware code
> support in FPGA
> wich is not done now.
> Under normal circumstances, this LED should never lit, because it is
> ?ulled up to 3.3V
> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
> Best regards!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>

> *Sent:* Tuesday, October 02, 2012 10:27 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
>
> I have been trying so far unsuccessfully to trace what exactly controls
> this LED.
>
> My configuration is Antenna at BU3 for RX and TX and switch to TX
> operation by PTT.
>
> DUPLEX/ on HiQSDR X3 is not connected.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>

--
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727. Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-18 10:05:53 UTC
From: Mario
Topic: 721 Message: 727

Hi Silvio,

which version of wxpython did you actually install ? From documentation i read that it changed to version 2.8 and i have some difficulties on a old linux installation too while it works out of the box on my ubuntu 12.10 system. Probaly its just a incorrect version. I will try in my Windows7 VM.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@...> wrote:
>
>
> Hi Mario 73s!
> I tried installing on a PC with Windows7 and another with WindowsXP, but the result was exactly the same.
> I normally use PowerSDR with a clone SDR1000 but the Quisk is very different and hence some difficulty at this early stage. I think with helps to be able to solve the problem.
> I have a pc available only for working with SDRs, next week I will install Teamviewer, and maybe someone can help me remotely install and configure Quisk.
> However I will continue to read the documentation to see if I understand where I am going wrong.
> I'll give news soon.
> Best regards Mário, 73s
> Silvio
> ct1bpt
>
>
>
> To: n2adr-sdr@yahoogroups.com
> From: dh5ym@...
> Date: Sat, 17 Nov 2012 16:04:52 +0000
> Subject: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)
>
>
>
>
>
>
> Hi Silvio,
>
> i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
> Installing and trying Quisk prior to purchasing hardware is a good idea i think.
> Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
> Did you also install pyserial ? Probably the error message is missleading or some files

are just not in the right directory.
> Which Windows do you exactly use ? Probably someone can reproduce your issue.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> >
> >
> >
> > Hi Sid, 73s!
> > Tanks for informations.
> > I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> > When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
> > My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
> > I go to read more about python and look the link you sent me.
> > The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> > Best regards, 73s
> > Silvio
> > ct1bpt
> >
> >
> >
> > To: n2adr-sdr@yahoogroups.com
> > From: g3vbv@
> > Date: Sat, 17 Nov 2012 06:40:16 +0000
> > Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
> >
> >
> >
> >
> >
> >
> > There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.
> >
> > My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
> >
> > I started learning python but never got very far - too many other projects and distractions.
> >
> > Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
> > With HiQSDR there have been no issues.

> >
> > The only other software that runs on both OS's is ghpsdr3-alex on
http://napan.ca/ghpsdr3/index.php/Main_Page
> > There is a Windows binary zip package provided, discussions take place on sdr-widget
group on Google.
> > 73 ... Sid.
> >
> > On 17/11/12 00:10, CT1BPT wrote:
> >
> >
> >
> > Hi folks!
> > I have searched but can not find out information beyond the Quisk there are any other
windows program more accessible to those who do not know the Python language (in my case).
Alternatively is there any software package (for windows) that can be easily installed to
control HiQSDR?
> > In advsnce thanks for the help.
> > 73s!
> > Silvio
> > ct1bpt
> >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
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> >
>

728. Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-18 12:44:02 UTC
From: CT1BPT
Topic: 721 Message: 728

Hi Mário, 73s!

In my portable pc i have installed the file wxPython2.9-win32-2.9.4.0-py27.exe
Can it really be a problem in some storage folder, if not is it in correct location.
Tanks for help.
Regards,
73s!
Silvio
ct1bpt

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Silvio,
>
> which version of wxpython did you actually install ? From documentation i read that it changed to version 2.8 and i have some difficulties on a old linux installation too while it works out of the box on my ubuntu 12.10 system. Probaly its just a incorrect version. I will try in my Windows7 VM.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> >
> >
> > Hi Mario 73s!
> > I tried installing on a PC with Windows7 and another with WindowsXP, but the result was exactly the same.
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> > Best regards Mário, 73s
> > Silvio
> > ct1bpt
> >
> >
> >
> > To: n2adr-sdr@yahoogroups.com
> > From: dh5ym@
> > Date: Sat, 17 Nov 2012 16:04:52 +0000
> > Subject: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)

> >
> >
> >
> >
> >
> > Hi Silvio,
> >
> > i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
> > Installing and trying Quisk prior to purchasing hardware is a good idea i think.
> > Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
> > Did you also install pyserial ? Probably the error message is missleading or some files are just not in the right directory.
> > Which Windows do you exactly use ? Probably someone can reproduce your issue.
> >
> > regards
> > Mario
> >
> > --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> > >
> > >
> > >
> > > Hi Sid, 73s!
> > > Tanks for informations.
> > > I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> > > When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
> > > My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
> > > I go to read more about python and look the link you sent me.
> > > The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> > > Best regards, 73s
> > > Silvio
> > > ct1bpt
> > >
> > >
> > >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: g3vbv@
> > > Date: Sat, 17 Nov 2012 06:40:16 +0000
> > > Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
> > >
> > >
> > >
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> > >
> > >

> > > There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.
> > >
> > > My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
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> > > I started learning python but never got very far - too many other projects and distractions.
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> > > With HiQSDR there have been no issues.
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> > > The only other software that runs on both OS's is ghpsdr3-alex on http://napan.ca/ghpsdr3/index.php/Main_Page
> > > There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
> > > 73 ... Sid.
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> > > On 17/11/12 00:10, CT1BPT wrote:
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> > > Hi folks!
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> > > In advsnce thanks for the help.
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> >
>

729. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-18 17:24:03 UTC
From: Helmut Göbkes
Topic: 690 Message: 729

Hi Sid,

sorry for dely answering your question i am in hurry curretnly but as short:
do never measure resistance in active systems because the resistance has no real relation to the circuit. Resistances in active circuits are done by active current sources with is so resistance measures mens simply: nothing.
Never leave inputs on Preselector open, because
the inputs are floating and therefore the states undefined.
Inputs should always be connected to HiQSDR or any other contral circuit with active 3.3V signals but never be open!

I have a look on your signals and explain detailed later!

73!
Helmut

From: Sid Boyce
Sent: Sunday, November 18, 2012 1:45 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Preselector FDX LED permanently on

Problem still not resolved.

With the cable removed from either HiQSDR X1 or Preselector X2 R51 is 10K.

With both ends of cable connected R51 reads 1.5K.

Powered up:-
R51 at the X2 pin 9 end to GND is +3.29V, at the other end of R51 (going to RN5) to GND is +0.29V.

IC7-12 +0.29V *** Looks like floating level.
IC7-8 0V

IC5-1 +4.97V
IC5-2 0V
IC5-11 0V
IC5-10 +4.97V

With the cable removed the FDX LED still comes ON.
73 ... Sid.

On 03/10/12 08:38, Helmut Göbkes wrote:

Hi Sid,

This LED is controlled by Preselector X2, Pin7, signal name CCTX wich is a spare signal.
This signal is pulled to logic high (3.3V) with a 10k Resistor (to X2,Pin9) to inactivate

this
signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the FPGA
is unprogrammed and therefore in high impedance state.
If this signal is pulled low, REL3 (and FDX-LED) is activated and both HiQSDR signals path
RX and TX are connected directly to the corresponding RX/TX SMA connectors BU1/BU2.

This works only if the active Filtermodule also has selected BU1/BU2 as connections.
This is a feature to be used later, because it needs Firmware code support in FPGA
wich is not done now.

Under normal circumstances, this LED should never lit, because it is üulled up to 3.3V
to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).

Best regards!

Helmut, DB1CC

From: Sid Boyce
Sent: Tuesday, October 02, 2012 10:27 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Preselector FDX LED permanently on

I have been trying so far unsuccessfully to trace what exactly controls
this LED.

My configuration is Antenna at BU3 for RX and TX and switch to TX
operation by PTT.

DUPLEX/ on HiQSDR X3 is not connected.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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--
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730. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-18 17:42:33 UTC
From: Sid Boyce
Topic: 690 Message: 730

Thanks Helmut,
I have worked with TTL, CMOS and ECL and I thought the circuits with 74HCT could be treated the same as TTL and CMOS, just different voltage levels applying.
73 ... Sid.

On 18/11/12 17:24, Helmut G?bkes wrote:
>
> Hi Sid,
> sorry for dely answering your question i am in hurry curretnly but as
> short:
> do never measure resistance in active systems because the resistance
> has no real
> relation to the circuit. Resistances in active circuits are done by
> active
> current sources with is so resistance measures mens simply: nothing.
> Never leave inputs on Preselector open, because
> the inputs are floating and therefore the states undefined.
> Inputs should always be connected to HiQSDR or any other contral
> circuit with
> active 3.3V signals but never be open!
> I have a look on your signals and explain detailed later!
> 73!
> Helmut
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Sunday, November 18, 2012 1:45 AM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] Preselector FDX LED permanently on
>
> Problem still not resolved.
>
> With the cable removed from either HiQSDR X1 or Preselector X2 R51 is 10K.
>
> With both ends of cable connected R51 reads 1.5K.
>
> Powered up:-
> R51 at the X2 pin 9 end to GND is +3.29V, at the other end of R51
> (going to RN5) to GND is +0.29V.
>
> IC7-12 +0.29V *** Looks like floating level.
> IC7-8 0V
>
> IC5-1 +4.97V
> IC5-2 0V

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>
> With the cable removed the FDX LED still comes ON.
> 73 ... Sid.
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> On 03/10/12 08:38, Helmut G?bkes wrote:
>> Hi Sid,
>> This LED is controlled by Preselector X2, Pin7, signal name CCTX wich
>> is a spare signal.
>> This signal is pulled to logic high (3.3V) with a 10k Resistor (to
>> X2,Pin9) to inactivate this
>> signal. Mating on HiQSDR is X2,Pin7 and FPGA Pin 56. This pin on the
>> FPGA
>> is unprogrammed and therefore in high impedance state.
>> If this signal is pulled low, REL3 (and FDX-LED) is activated and
>> both HiQSDR signals path
>> RX and TX are connected directly to the corresponding RX/TX SMA
>> connectors BU1/BU2.
>> This works only if the active Filtermodule also has selected BU1/BU2
>> as connections.
>> This is a feature to be used later, because it needs Firmware code
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>> wich is not done now.
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>> to be inactive (Pull-Up from X2,Pin7 10k to X2,Pin9).
>> Best regards!
>> Helmut, DB1CC
>>
>> *From:* Sid Boyce <mailto:g3vbv@...>
>> *Sent:* Tuesday, October 02, 2012 10:27 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> *Subject:* [n2adr-sdr] Preselector FDX LED permanently on
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>> My configuration is Antenna at BU3 for RX and TX and switch to TX
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>> 73 ... Sid.
>> icrosoft W--
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731. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-18 19:00:23 UTC
From: Helmut Göbkes
Topic: 690 Message: 731

Hi Sid,

in principle, you are right, related to the voltage trip levels
for high and low. That is the reason HCT circuits are works
as 3.3 Volt level digital converter for inputs,
because the trip point for logic high is defined to be >=2.4 Volt
and logic low <=0.4 Volt
But different to TTL or LSTTL, the input impedance is nearly
as high as CMOS. Inputs are protected against static discharges
but due to the high impedance , open inputs results in
a stochastic digital logical level or function.

Maybe one of your connecting wire is open ?

73!
Helmut, DB1CC

732. Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2012-11-18 20:21:27 UTC
From: Mario
Topic: 732 Message: 732

On my laptop with Ubuntu 12.04 LTS i have a issue that quisk 3.6.5 does not start. It complains about missing python-wxgtk although python-wxgtk2.8 is installed.
Obviously python tries to import another version.
There is a method to force python to use version 2.8.
In quisk.py before the line with "import wx"
two lines need to be added:
"import wxversion" and
"wxversion.select('2.8')"
After that Quisk started on my laptop. On my Ubuntu12.10 x64 system this was not necessary.
Just in case someone else has the same issue.

regards
Mario

733. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-18 22:04:29 UTC
From: Sid Boyce
Topic: 690 Message: 733

Thanks Helmut,
Last night I checked to make sure there were no pigtails that could cause a short and I even started checking the cable for continuity which was difficult using multimeter probes.
I have some jumpers safely put somewhere - I'll hopefully find where the safe place is.

If not I'll make up a new cable.

I shall do that and report back.
73 ... Sid.

On 18/11/12 19:00, Helmut G?bkes wrote:
>
> Hi Sid,
> in principle, you are right, related to the voltage trip levels
> for high and low. That is the reason HCT circuits are works
> as 3.3 Volt level digital converter for inputs,
> because the trip point for logic high is defined to be >=2.4 Volt
> and logic low <=0.4 Volt
> But different to TTL or LSTTL, the input impedance is nearly
> as high as CMOS. Inputs are protected against static discharges
> but due to the high impedance , open inputs results in
> a stochastic digital logical level or function.
> Maybe one of your connecting wire is open ?
> 73!
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734. Re: [n2adr-sdr] Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2012-11-18 22:39:50 UTC
From: Sid Boyce
Topic: 732 Message: 734

```
I don't have that problem on the x86_64 but I thought it might have
fixed the problem on the ODROID-X which it doesn't.
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
File "quisk.py", line 3090, in OnReadSound
self.waterfall.OnGraphData(data) # save waterfall data
File "quisk.py", line 1388, in OnGraphData
self.pane2.OnGraphData(data)
File "quisk.py", line 1416, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1329, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
856, in BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
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File "quisk.py", line 1416, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1329, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
856, in BitmapFromBuffer
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"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
File "quisk.py", line 3090, in OnReadSound
```

```
root@ODROID-X_G3VBV:/opt/quisk-3.6.5# dpkg -l|grep wx
ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase
library (runtime) - non-GUI support classes of wxWidgets toolkit
ii libwxbase2.8-0 2.8.12.1-6ubuntu2 wxBase
library (runtime) - non-GUI support classes of wxWidgets toolkit
ii libwxbase2.8-dev 2.8.12.1-6ubuntu2 wxBase
library (development) - non-GUI support classes of wxWidgets toolkit
ii libwxgtk2.6-0 2.6.3.2.2-5ubuntu4 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ runtime)
ii libwxgtk2.8-0 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ runtime)
ii libwxgtk2.8-dev 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (GTK+ development)
ii python-pythoncard 0.8.2-2
wxPython-based GUI construction framework (underlying Python libraries)
ii python-wxgtk2.8 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (wxPython binding)
ii python-wxtools 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (wxPython common files)
ii python-wxversion 2.8.12.1-6ubuntu2
wxWidgets Cross-platform C++ GUI toolkit (wxPython version selector)
ii wx-common 2.8.12.1-6ubuntu2 wxWidgets
Cross-platform C++ GUI toolkit (common support files)
ii wx2.8-headers 2.8.12.1-6ubuntu2 wxWidgets
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```

73 ... Sid.
On 18/11/12 20:21, Mario wrote:
> On my laptop with Ubuntu 12.04 LTS i have a issue that quisk 3.6.5
> does not start. It complains about missing python-wxgtk although
> python-wxgtk2.8 is installed.
> Obviously python tries to import another version.
> There is a method to force python to use version 2.8.
> In quisk.py before the line with "import wx"
> two lines need to be added:
> "import wxversion" and
> "wxversion.select('2.8')"
> After that Quisk started on my laptop. On my Ubuntu12.10 x64 system
> this was not necessary.
> Just in case someone else has the same issue.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

735. Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2012-11-19 07:19:57 UTC
From: Mario
Topic: 732 Message: 735

Hi Sid,

from the trace i think thats a problem with withing python-wxgtk itself. At least if i understand it correct with my limited programming skills.

"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
> 856, in BitmapFromBuffer
> return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
> RuntimeError: Failed to gain raw access to bitmap data.

What plattform is the ODROID-X ? Probably there is already a bug report or a patch there.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I don't have that problem on the x86_64 but I thought it might have
> fixed the problem on the ODROID-X which it doesn't.
> RuntimeError: Failed to gain raw access to bitmap data.
> Traceback (most recent call last):
> File
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
> 14665, in <lambda>
> lambda event: event.callable(*event.args, **event.kw))
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> self.waterfall.OnGraphData(data) # save waterfall data
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> root@ODROID-X_G3VBV:/opt/quisk-3.6.5# dpkg -l|grep wx
> ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase
> library (runtime) - non-GUI support classes of wxWidgets toolkit
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> > There is a method to force python to use version 2.8.
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736. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2012-11-19 12:52:50 UTC
From: Sid Boyce
Topic: 732 Message: 736

Hi Mario,
The ODROID-X is a quad core ARM A9 embedded board.

It is running Ubuntu 12.10 so I'll post a query to the odroid and Ubuntu ARM forums.
The different levels for 12.10 on each:-
ARM
---
ii python-wxgtk2.8 2.8.12.1-6ubuntu2

x86_64
---
ii python-wxgtk2.8 2.8.12.1-11ubuntu3

There could be differences between the source from which each was built.
73 ... Sid.

On 19/11/12 07:19, Mario wrote:
>
> Hi Sid,
>
> from the trace i think thats a problem with withing python-wxgtk
> itself. At least if i understand it correct with my limited
> programming skills.
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> What plattform is the ODROID-X ? Probably there is already a bug
> report or a patch there.
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> regards
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I don't have that problem on the x86_64 but I thought it might have
> > fixed the problem on the ODROID-X which it doesn't.
> > RuntimeError: Failed to gain raw access to bitmap data.
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> > 73 ... Sid.
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> > >
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> >
> >
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--
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737. Re: IQ Demodulator ?

Yahoo group: n2adr-sdr
Date: 2012-11-19 19:09:24 UTC
From: Mario
Topic: 712 Message: 737

Tried a bit with Quisk and SO2SDR.
Some things that would be nice (just to write down some ideas):
- Usage of the loopback soundcard also for other modes than dgtl. In general one would either like to pass the complete samples to the loopback soundcard or a second demodulator with large bandwidth. For example run CW in Quisk and pass +-24kHz complex around the current frequency to SO2SDR (or the complete samples with 96kSpl/s maximum
- separate volume adjustment for the output to loopback. Currently i need to set to really low volume in quisk to get low enough audio at fldigi or so2sdr.

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi all,
>
> today i brought my HiQSDR board back to life with my 6.5V switched power supply i recently build. While trying a bit with the DGTL mode and CWSkimmer i noticed that the filter cannot be set to bandwith bigger than 6kHz anymore. Is this configured somewhere in the python files ?
> It came to my mind that it would be very usefull if it is possible to use the samples from the frontend directly to stream it to the skimmer application. This should be not too difficult to use the IQ samples with a maximum of 192kSpl/s and put it to the Alsa loopback device. Then the skimmer would always get the full bandwidth and the demodulator in Quisk can be tuned independently.
> What do the others think about that ?
> My goal is to use the setup for CW contesting with some supporting tools like CWSkimmer or SO2SDR. Especially for SO2SDR the samples directly from the frontend would be usefull.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi all,
> >
> > this is probably a question that goes towards Jim but i also want to find out if this makes sense at all...
> > Background is that during the weekend i tried to run CwSkimmer after a SDR software. The problem was that the Skimmer software expects IQ signals as input in order to get the full bandwidth. Currently i know of no SDR software that provides complex IQ demodulated signals instead of real signals. Therefore just half the bandwidth can be used there.
> > Woulnt it make sense to make this configurable for the DGTL mode somewhere in Quisk ? Then any other SDR software could be daisychained to Quisk.
> >
> > What do you all think ?
> >
> > regards

> > Mario
> >
>

738. Re: IQ Demodulator ?

Yahoo group: n2adr-sdr
Date: 2012-11-19 19:11:06 UTC
From: Mario
Topic: 712 Message: 738

Forgot to paste the link with the screenshot:
http://dh5ym.ath.cx/wiki/?p=822

73
Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Tried a bit with Quisk and SO2SDR.
> Some things that would be nice (just to write down some ideas):
> - Usage of the loopback soundcard also for other modes than dgtl. In general one would either like to pass the complete samples to the loopback soundcard or a second demodulator with large bandwidth. For example run CW in Quisk and pass +-24kHz complex around the current frequency to SO2SDR (or the complete samples with 96kSpl/s maximum
> - separate volume adjustment for the output to loopback. Currently i need to set to really low volume in quisk to get low enough audio at fldigi or so2sdr.
>
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
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> > It came to my mind that it would be very usefull if it is possible to use the samples from the frontend directly to stream it to the skimmer application. This should be not too difficult to use the IQ samples with a maximum of 192kSpl/s and put it to the Alsa loopback device. Then the skimmer would always get the full bandwidth and the demodulator in Quisk can be tuned independently.
> > What do the others think about that ?
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> > >
> > > What do you all think ?
> > >
> > > regards
> > > Mario
> > >
> >
>

739. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-11-20 03:18:38 UTC
From: Sid Boyce
Topic: 690 Message: 739

Hi Helmut,
The cable is OK.
I metered the interconnecting cable, all wires are connected and there
are no shorts, pins out of place or retracted.
73 ... Sid.

On 18/11/12 19:00, Helmut G?bkes wrote:
>
> Hi Sid,
> in principle, you are right, related to the voltage trip levels
> for high and low. That is the reason HCT circuits are works
> as 3.3 Volt level digital converter for inputs,
> because the trip point for logic high is defined to be >=2.4 Volt
> and logic low <=0.4 Volt
> But different to TTL or LSTTL, the input impedance is nearly
> as high as CMOS. Inputs are protected against static discharges
> but due to the high impedance , open inputs results in
> a stochastic digital logical level or function.
> Maybe one of your connecting wire is open ?
> 73!
> Helmut, DB1CC
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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740. QtRadioManager / FrequencyManager updated

Yahoo group: n2adr-sdr
Date: 2012-11-21 18:42:48 UTC
From: Oliver Goldenstein
Topic: 740 Message: 740

Hi All !

I have a new version on github, which allows to configure the hamlib port
for QtRadio, Quisk and Rigctld.

http://www.oliver-goldenstein.de/qtradiomanager

Sorry the Windows build has to wait. Still have problems with cross compile
and deployment.

73 Oliver DL6KBG

741. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2012-11-22 02:21:00 UTC
From: Sid Boyce
Topic: 732 Message: 741

Some Progress, changed quisk.py
from
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)

To
bmp = wx.BitmapFromBufferRGBA(len(row) / 4, 1, row)

That's the display problem fixed - but graph and waterfall very jerky.

Getting blotches of sound heavily modulated by what sounds like horses
trotting even at 48K samplerate while there is no problem with QtRadio
at 480K samplerate probably because quisk is mainly written in python
and ARM seems not to be able to handle it, even with a Quad core 1.4GHz
CPU, 1G of memory and 3G of swap.
73 ... Sid.

On 19/11/12 12:52, Sid Boyce wrote:
>
> Hi Mario,
> The ODROID-X is a quad core ARM A9 embedded board.
>
> It is running Ubuntu 12.10 so I'll post a query to the odroid and
> Ubuntu ARM forums.
> The different levels for 12.10 on each:-
> ARM
> ---------
> ii python-wxgtk2.8 2.8.12.1-6ubuntu2
>
> x86_64
> ---------
> ii python-wxgtk2.8 2.8.12.1-11ubuntu3
>
> There could be differences between the source from which each was built.
> 73 ... Sid.
>
> On 19/11/12 07:19, Mario wrote:
>>
>> Hi Sid,
>>
>> from the trace i think thats a problem with withing python-wxgtk
>> itself. At least if i understand it correct with my limited
>> programming skills.
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>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
>> > 856, in BitmapFromBuffer
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```
>> > RuntimeError: Failed to gain raw access to bitmap data.
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>> What plattform is the ODROID-X ? Probably there is already a bug
>> report or a patch there.
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>> > I don't have that problem on the x86_64 but I thought it might have
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>> >
>> > root@ODROID-X_G3VBV:/opt/quisk-3.6.5# dpkg -l|grep wx
>> > ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase
>> > library (runtime) - non-GUI support classes of wxWidgets toolkit
>> > ii libwxbase2.8-0 2.8.12.1-6ubuntu2 wxBase
>> > library (runtime) - non-GUI support classes of wxWidgets toolkit
>> > ii libwxbase2.8-dev 2.8.12.1-6ubuntu2 wxBase
>> > library (development) - non-GUI support classes of wxWidgets toolkit
>> > ii libwxgtk2.6-0 2.6.3.2.2-5ubuntu4 wxWidgets
>> > Cross-platform C++ GUI toolkit (GTK+ runtime)
>> > ii libwxgtk2.8-0 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (GTK+ runtime)
>> > ii libwxgtk2.8-dev 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (GTK+ development)
>> > ii python-pythoncard 0.8.2-2
>> > wxPython-based GUI construction framework (underlying Python libraries)
>> > ii python-wxgtk2.8 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (wxPython binding)
>> > ii python-wxtools 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (wxPython common files)
>> > ii python-wxversion 2.8.12.1-6ubuntu2
>> > wxWidgets Cross-platform C++ GUI toolkit (wxPython version selector)
>> > ii wx-common 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (common support files)
>> > ii wx2.8-headers 2.8.12.1-6ubuntu2 wxWidgets
>> > Cross-platform C++ GUI toolkit (header files)
>> >
>> > 73 ... Sid.
>> > On 18/11/12 20:21, Mario wrote:
>> > >
>> > > On my laptop with Ubuntu 12.04 LTS i have a issue that quisk 3.6.5
>> > > does not start. It complains about missing python-wxgtk although
>> > > python-wxgtk2.8 is installed.
>> > > Obviously python tries to import another version.
>> > > There is a method to force python to use version 2.8.
>> > > In quisk.py before the line with "import wx"
>> > > two lines need to be added:
>> > > "import wxversion" and
>> > > "wxversion.select('2.8')"

>> > > After that Quisk started on my laptop. On my Ubuntu12.10 x64 system
>> > > this was not necessary.
>> > > Just in case someone else has the same issue.
>> > >
>> > > regards
>> > > Mario
>> > >
>> > >
>> >
>> >
>> > --
>> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> > Senior Staff Specialist, Cricket Coach
>> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
>> >
>>
>
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--
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742. Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-22 12:13:42 UTC
From: Mario
Topic: 721 Message: 742

Hi Silvio,

i tried with a PC with native Win7x64. Python 2.7, wxPython 2.8 (both 32bit).
Quisk 3.6.5 starts without problems here. Did you install the 32bit version of Python ?
According to Jims notes this is necessary:

...
Quisk now runs on Windows XP and Windows 7. The new Windows Quisk installs easily from a quisk.msi installer file, and adds its menu items under Start/Programs. You must install a 32-bit version of Python 2.7 and wxPython before you install Quisk. You must use the 32-bit version even if you have 64-bit Windows because the Quisk extension module is 32-bit. Quisk installs itself as a package under site-packages under Python 2.7. To uninstall Quisk, use Control Panel/ Add Remove Programs. You may need to adjust the config file parameters data_poll_usec and latency_millisecs depending on your hardware
...

If thats already the case i would suggest to move from wxPython 2.9 back to wxPython 2.8.

If you do not manage to get it running please paste the console output here.

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, "CT1BPT" <ct1bpt@...> wrote:
>
> Hi Mário, 73s!
>
> In my portable pc i have installed the file wxPython2.9-win32-2.9.4.0-py27.exe
> Can it really be a problem in some storage folder, if not is it in correct location.
> Tanks for help.
> Regards,
> 73s!
> Silvio
> ct1bpt
>
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> >
> > Hi Silvio,
> >
> > which version of wxpython did you actually install ? From documentation i read that it changed to version 2.8 and i have some difficulties on a old linux installation too while it works out of the box on my ubuntu 12.10 system. Probaly its just a incorrect version. I will try in my Windows7 VM.
> >
> > regards

> > Mario
> >
> > --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> > >
> > >
> > > Hi Mario 73s!
> > > I tried installing on a PC with Windows7 and another with WindowsXP, but the result was exactly the same.
> > > I normally use PowerSDR with a clone SDR1000 but the Quisk is very different and hence some difficulty at this early stage. I think with helps to be able to solve the problem.
> > > I have a pc available only for working with SDRs, next week I will install Teamviewer, and maybe someone can help me remotely install and configure Quisk.
> > > However I will continue to read the documentation to see if I understand where I am going wrong.
> > > I'll give news soon.
> > > Best regards Mário, 73s
> > > Silvio
> > > ct1bpt
> > >
> > >
> > >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: dh5ym@
> > > Date: Sat, 17 Nov 2012 16:04:52 +0000
> > > Subject: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)
> > >
> > >
> > >
> > >
> > >
> > > Hi Silvio,
> > >
> > > i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
> > > Installing and trying Quisk prior to purchasing hardware is a good idea i think.
> > > Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
> > > Did you also install pyserial ? Probably the error message is missleading or some files are just not in the right directory.
> > > Which Windows do you exactly use ? Probably someone can reproduce your issue.
> > >
> > > regards
> > > Mario
> > >
> > > --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> > > >
> > > >
> > > >
> > > > Hi Sid, 73s!

> > > > Tanks for informations.
> > > > I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> > > > When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
> > > > My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
> > > > I go to read more about python and look the link you sent me.
> > > > The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> > > > Best regards, 73s
> > > > Silvio
> > > > ct1bpt
> > > >
> > > >
> > > >
> > > > To: n2adr-sdr@yahoogroups.com
> > > > From: g3vbv@
> > > > Date: Sat, 17 Nov 2012 06:40:16 +0000
> > > > Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.
> > > >
> > > > My first encounter with python was with quisk and that was at a very early stage when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
> > > >
> > > > I started learning python but never got very far - too many other projects and distractions.
> > > >
> > > > Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
> > > > With HiQSDR there have been no issues.
> > > >
> > > > The only other software that runs on both OS's is ghpsdr3-alex on http://napan.ca/ghpsdr3/index.php/Main_Page
> > > > There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
> > > > 73 ... Sid.
> > > >
> > > > On 17/11/12 00:10, CT1BPT wrote:
> > > >
> > > >

> > > >
> > > > Hi folks!
> > > > I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case). Alternatively is there any software package (for windows) that can be easily installed to control HiQSDR?
> > > > In advsnce thanks for the help.
> > > > 73s!
> > > > Silvio
> > > > ct1bpt
> > > >
> > > >
> > > >
> > > > --
> > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > Senior Staff Specialist, Cricket Coach
> > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > >
> > >
> >
>

743. Re: Software to control HiQSDR (windows preference)

Yahoo group: n2adr-sdr
Date: 2012-11-23 22:43:48 UTC
From: CT1BPT
Topic: 721 Message: 743

Hi Mario, 73s!

After several attempts with various versions of python and wx pyton could finally put Quisq working.
I have installed in sequence the files:
python-2.7.3 (windows installer)
wxPython2.8-win32-unicode-2.8.12.1-py27
quisk-3.6.4.win32-py2.7 (windows installer)

Now Quisk run, need configuration but i think its all ok.

I have send you a private message but for now you can ignore.
Tanks for help and best regards
73s! :-)
Silvio
ct1bpt

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Silvio,
>
> i tried with a PC with native Win7x64. Python 2.7, wxPython 2.8 (both 32bit).
> Quisk 3.6.5 starts without problems here. Did you install the 32bit version of Python ?
According to Jims notes this is necessary:
>
> ...
> Quisk now runs on Windows XP and Windows 7. The new Windows Quisk installs easily from a quisk.msi installer file, and adds its menu items under Start/Programs. You must install a 32-bit version of Python 2.7 and wxPython before you install Quisk. You must use the 32-bit version even if you have 64-bit Windows because the Quisk extension module is 32-bit. Quisk installs itself as a package under site-packages under Python 2.7. To uninstall Quisk, use Control Panel/ Add Remove Programs. You may need to adjust the config file parameters data_poll_usec and latency_millisecs depending on your hardware
> ...
>
> If thats already the case i would suggest to move from wxPython 2.9 back to wxPython 2.8.
>
> If you do not manage to get it running please paste the console output here.
>
> regards
> Mario, DH5YM
>
>
> --- In n2adr-sdr@yahoogroups.com, "CT1BPT" <ct1bpt@> wrote:
> >
> > Hi Mário, 73s!

> >
> > In my portable pc i have installed the file wxPython2.9-win32-2.9.4.0-py27.exe
> > Can it really be a problem in some storage folder, if not is it in correct location.
> > Tanks for help.
> > Regards,
> > 73s!
> > Silvio
> > ct1bpt
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
> > >
> > > Hi Silvio,
> > >
> > > which version of wxpython did you actually install ? From documentation i read that it changed to version 2.8 and i have some difficulties on a old linux installation too while it works out of the box on my ubuntu 12.10 system. Probaly its just a incorrect version. I will try in my Windows7 VM.
> > >
> > > regards
> > > Mario
> > >
> > > --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> > > >
> > > >
> > > > Hi Mario 73s!
> > > > I tried installing on a PC with Windows7 and another with WindowsXP, but the result was exactly the same.
> > > > I normally use PowerSDR with a clone SDR1000 but the Quisk is very different and hence some difficulty at this early stage. I think with helps to be able to solve the problem.
> > > > I have a pc available only for working with SDRs, next week I will install Teamviewer, and maybe someone can help me remotely install and configure Quisk.
> > > > However I will continue to read the documentation to see if I understand where I am going wrong.
> > > > I'll give news soon.
> > > > Best regards Mário, 73s
> > > > Silvio
> > > > ct1bpt
> > > >
> > > >
> > > >
> > > > To: n2adr-sdr@yahoogroups.com
> > > > From: dh5ym@
> > > > Date: Sat, 17 Nov 2012 16:04:52 +0000
> > > > Subject: [n2adr-sdr] Re: Software to control HiQSDR (windows preference)
> > > >
> > > >
> > > >
> > > >

> > > >
> > > > Hi Silvio,
> > > >
> > > > i installed Quisk on several Windows PCs. Sometimes it complains about missing libraries. But when you got it working once its fine.
> > > > Installing and trying Quisk prior to purchasing hardware is a good idea i think.
> > > > Please carefully read trough the instructions on Jims web page. All the things that are written there need to be done.
> > > > Did you also install pyserial ? Probably the error message is missleading or some files are just not in the right directory.
> > > > Which Windows do you exactly use ? Probably someone can reproduce your issue.
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> > > > regards
> > > > Mario
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com, silvio leiria <ct1bpt@> wrote:
> > > > >
> > > > >
> > > > >
> > > > > Hi Sid, 73s!
> > > > > Tanks for informations.
> > > > > I have installed Pyton 2.7 and WxPython at my computer (with windows) but my understand about it is zero.
> > > > > When i execute Quish i receive one window with this information: "Quisk requires wxpython for Python 2.7 - Not found" and the instalation is aborted.
> > > > > My problem is the software, I think install the software and only after having mastered the Quisk or other soft then purchase HiQSDR kits.
> > > > > I go to read more about python and look the link you sent me.
> > > > > The only thing is currently halting my HiQSR acquisition is the software platform but with your help I'll get there :-)
> > > > > Best regards, 73s
> > > > > Silvio
> > > > > ct1bpt
> > > > >
> > > > >
> > > > >
> > > > > To: n2adr-sdr@yahoogroups.com
> > > > > From: g3vbv@
> > > > > Date: Sat, 17 Nov 2012 06:40:16 +0000
> > > > > Subject: Re: [n2adr-sdr] Software to control HiQSDR (windows preference)
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > There is hardly any need to understand python when dealing with quisk. Once the application is installed and launched with the correct hardware config file, that's it.
> > > > >
> > > > > My first encounter with python was with quisk and that was at a very early stage

when I asked Jim to port to Softrock and he was sending on versions for me to test as he had no Softrock gear.
> > > > >
> > > > > I started learning python but never got very far - too many other projects and distractions.
> > > > >
> > > > > Though I deal exclusively with Linux where there are more steps to be followed than installing a .msi file I have provided easy ways for others to install, configure and use quisk for use with Softrocks and UHFSDR.
> > > > > With HiQSDR there have been no issues.
> > > > >
> > > > > The only other software that runs on both OS's is ghpsdr3-alex on http://napan.ca/ghpsdr3/index.php/Main_Page
> > > > > There is a Windows binary zip package provided, discussions take place on sdr-widget group on Google.
> > > > > 73 ... Sid.
> > > > >
> > > > > On 17/11/12 00:10, CT1BPT wrote:
> > > > >
> > > > >
> > > > >
> > > > > Hi folks!
> > > > > I have searched but can not find out information beyond the Quisk there are any other windows program more accessible to those who do not know the Python language (in my case). Alternatively is there any software package (for windows) that can be easily installed to control HiQSDR?
> > > > > In advsnce thanks for the help.
> > > > > 73s!
> > > > > Silvio
> > > > > ct1bpt
> > > > >
> > > > >
> > > > >
> > > > > --
> > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> > > > >
> > > >
> > >
> >
>

744. MPPA order

Yahoo group: n2adr-sdr
Date: 2012-12-02 22:28:28 UTC
From: Sid Boyce
Topic: 744 Message: 744

Hi Helmut,
I've submitted an order via Paypal on Nov. 23rd.
I mention it here in case your spam filter has blocked it.
73 ... Sid.

--
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Senior Staff Specialist, Cricket Coach
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745. RF-Bridge

Yahoo group: n2adr-sdr
Date: 2012-12-14 12:27:35 UTC
From: Yu Disong
Topic: 745 Message: 745

Hi,

Anyone knows where to buy the RF-Bridge?

73,
Dale

746. Freedv/FDMDV2

Yahoo group: n2adr-sdr
Date: 2012-12-18 07:34:59 UTC
From: dh5ym
Topic: 746 Message: 746

Yesterday i tried a bit with a relatively new digital voice mode for shortwave.
Since a long time David Rowe VK5DGR works on a open-source low-rate voice codec. This project is called codec2.
Now a variant of this codec is used in a amateur radio digital voice mode that was evolved out of the well known FDMDV software.
The mode uses OFDM with 14 carriers DQPSK and 2 pilot carriers with twice the power modulated in DBPSK.
The bandwith is 1kHz, so 2 of the signals would fit to 1 SSB channel. The datarate of the voice is 1375 Bit/s + some data bits for callsign information etc.
Its intended that in the end this mode can also be used for DX connections. Lets see what live tests will bring. On 20m obviously the frequency 14.236MHz is used as center of gravity.
For using the mode you would need either a two-soundcard PC (one for connecting a headset and one for creating the digital modulation signal) or a SDR setup with virtual soundcards.
Currently a windows beta release can be downloaded as binary. For Linux you have to download the source and compile it on your own. David created a nice Makefile that downloads and compiles all dependecies.
You find further information on the project page http://freedv.org/tiki-index.php.
Also some videos are linked that show the operation and the audio quality of this digital mode.
Yesterday i tried a bit with my HiQSDR in loopback mode. I had no live contact so far.

747. Re: [n2adr-sdr] Freedv/FDMDV2

Yahoo group: n2adr-sdr
Date: 2012-12-18 11:30:47 UTC
From: Sid Boyce
Topic: 746 Message: 747

Hi Mario,
The ghpsdr3-alex project used codec2 going back quite a while and now
uses codec2-dev.
The URL give is Not Found ... See http://www.rowetel.com/blog/?page_id=452
73 ... Sid.

On 18/12/12 07:34, dh5ym wrote:
>
> Yesterday i tried a bit with a relatively new digital voice mode for
> shortwave.
> Since a long time David Rowe VK5DGR works on a open-source low-rate
> voice codec. This project is called codec2.
> Now a variant of this codec is used in a amateur radio digital voice
> mode that was evolved out of the well known FDMDV software.
> The mode uses OFDM with 14 carriers DQPSK and 2 pilot carriers with
> twice the power modulated in DBPSK.
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> connections. Lets see what live tests will bring. On 20m obviously the
> frequency 14.236MHz is used as center of gravity.
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> signal) or a SDR setup with virtual soundcards. Currently a windows
> beta release can be downloaded as binary. For Linux you have to
> download the source and compile it on your own. David created a nice
> Makefile that downloads and compiles all dependecies.
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> http://freedv.org/tiki-index.php.
> Also some videos are linked that show the operation and the audio
> quality of this digital mode.
> Yesterday i tried a bit with my HiQSDR in loopback mode. I had no live
> contact so far.
>
>

--
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748. Re: Freedv/FDMDV2

Yahoo group: n2adr-sdr
Date: 2012-12-18 12:55:10 UTC
From: Mario
Topic: 746 Message: 748

Hi Sid,

Yes, Codec2 does a very good job in ghpsdr3-alex.

Thanks for the hint about the link. Just remove the dot after the php ;)
http://freedv.org/tiki-index.php

regards
Mario

Hi Mario,
The ghpsdr3-alex project used codec2 going back quite a while and now
uses codec2-dev.
The URL give is Not Found ... See http://www.rowetel.com/blog/?page_id=452
73 ... Sid.

On 18/12/12 07:34, dh5ym wrote:

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shortwave.
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Now a variant of this codec is used in a amateur radio digital voice
mode that was evolved out of the well known FDMDV software.
The mode uses OFDM with 14 carriers DQPSK and 2 pilot carriers with
twice the power modulated in DBPSK.
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information etc.
Its intended that in the end this mode can also be used for DX
connections. Lets see what live tests will bring. On 20m obviously the
frequency 14.236MHz is used as center of gravity.
For using the mode you would need either a two-soundcard PC (one for
connecting a headset and one for creating the digital modulation
signal) or a SDR setup with virtual soundcards. Currently a windows
beta release can be downloaded as binary. For Linux you have to
download the source and compile it on your own. David created a nice
Makefile that downloads and compiles all dependecies.
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http://freedv.org/tiki-index.php.
Also some videos are linked that show the operation and the audio
quality of this digital mode.
Yesterday i tried a bit with my HiQSDR in loopback mode. I had no live
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--
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749. Re: [n2adr-sdr] Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-12-18 13:26:31 UTC
From: Sid Boyce
Topic: 690 Message: 749

I have not heard anything from Helmut recently.
I still have the problem with the FDX LED on and preventing TX.

Any suggestions welcomed.
The only one I can come up with is reprogramming the FPGA with the v1.3
code which is the level it is currently programmed with.
73 ... Sid.

On 20/11/12 03:18, Sid Boyce wrote:
>
> Hi Helmut,
> The cable is OK.
> I metered the interconnecting cable, all wires are connected and there
> are no shorts, pins out of place or retracted.
> 73 ... Sid.
>
> On 18/11/12 19:00, Helmut G?bkes wrote:
>>
>> Hi Sid,
>> in principle, you are right, related to the voltage trip levels
>> for high and low. That is the reason HCT circuits are works
>> as 3.3 Volt level digital converter for inputs,
>> because the trip point for logic high is defined to be >=2.4 Volt
>> and logic low <=0.4 Volt
>> But different to TTL or LSTTL, the input impedance is nearly
>> as high as CMOS. Inputs are protected against static discharges
>> but due to the high impedance , open inputs results in
>> a stochastic digital logical level or function.
>> Maybe one of your connecting wire is open ?
>> 73!
>> Helmut, DB1CC
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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--
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750. Re: Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-12-18 16:20:55 UTC
From: Mario
Topic: 690 Message: 750

Hi Sid,

hope i can dig into the problem a bit during the weekend. If no answer next week, then remind me ;)
Just from the posts here i have no real clue what could cause the behavior than some device that might have failed for accident or some poor soldering connection. We will see.
I think Helmut is really busy with building PAs at the moment. I try to get back into this project a little bit but unfortunately business eats up any time at the moment just before christmas.

regards
Mario

751. Re: [n2adr-sdr] Re: Preselector FDX LED permanently on

Yahoo group: n2adr-sdr
Date: 2012-12-18 22:31:13 UTC
From: Sid Boyce
Topic: 690 Message: 751

Thanks Mario,
Helmut assured me that simple logic checks would not do the job as I was expecting not to see a floating level (+0.29V) at the CCTX end (X2-7) of R51 when there is +3.29V on the other end (X2-8).

+0.29V also at IC7-12.
73 ... Sid.

On 18/12/12 16:20, Mario wrote:
>
> Hi Sid,
>
> hope i can dig into the problem a bit during the weekend. If no answer
> next week, then remind me ;)
> Just from the posts here i have no real clue what could cause the
> behavior than some device that might have failed for accident or some
> poor soldering connection. We will see.
> I think Helmut is really busy with building PAs at the moment. I try
> to get back into this project a little bit but unfortunately business
> eats up any time at the moment just before christmas.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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752. Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-19 08:27:24 UTC
From: Mario
Topic: 752 Message: 752

Hi,

in the code of quisk i saw that the samplerate which is used for the digital filters was changed recently. In the changenotes i found that the filtering was changed in 3.6.2 in order to improve the performance with low-cpu machines.
A question especially to Jim:
Is there a possibility to get 48kSpl filters back to the code as an option in order to support audio bandwidth >6kHz again (e.g. 10/20kHz for DRM mode) ?

regards
Mario

753. MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-21 15:25:48 UTC
From: Sid Boyce
Topic: 753 Message: 753

Thanks Helmut,
The MPPA was delivered a few minutes ago and inspected.
Excellent build quality as usual.
Once my FDX problem is fixed I look forward to warming the airwaves with
10 - 300W.
73 ... Sid.

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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754. Re: [n2adr-sdr] MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-22 14:08:37 UTC
From: Oliver Goldenstein
Topic: 753 Message: 754

:-) warming the airwaves

have fun Sid

73 Oliver DL6KBG

On 21 December 2012 15:25, Sid Boyce <g3vbv@...> wrote:

> Thanks Helmut,
> The MPPA was delivered a few minutes ago and inspected.
> Excellent build quality as usual.
> Once my FDX problem is fixed I look forward to warming the airwaves with
> 10 - 300W.
> 73 ... Sid.
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> --
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755. Re: [n2adr-sdr] MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-22 16:17:35 UTC
From: Sid Boyce
Topic: 753 Message: 755

Thanks Oliver,
I just have to get rid of the pesky FDX problem.
I'll try 2 things this weekend.
Reflash the FPGA with the FPGA_V3-sg1 firmware and if not successful see
if I have enough connectors to make up a cable with HiQSDR X1-7 to
Preselector X2-7 missing.
73 ... Sid.

On 22/12/12 14:08, Oliver Goldenstein wrote:
>
> :-) warming the airwaves
>
> have fun Sid
>
> 73 Oliver DL6KBG
>
> On 21 December 2012 15:25, Sid Boyce <g3vbv@...
> <mailto:g3vbv@...>> wrote:
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> Thanks Helmut,
> The MPPA was delivered a few minutes ago and inspected.
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> 10 - 300W.
> 73 ... Sid.
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>

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756. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-23 00:17:44 UTC
From: jimahlstrom
Topic: 752 Message: 756

Hi,

The sample rate of the filters depends on the mode. CW filters at 6k, SSB at 12k and AM/FM at 24 ksps. This enables smaller CPUs to run quisk. I can run Quisk on an Intel Atom processor at 480 ksps.

How do you get the samples out to your DRM decoder?

Jim
N2ADR

757. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-23 10:26:07 UTC
From: Mario
Topic: 752 Message: 757

Hi Jim,

i used to use USB with about 15kHz Bandwidth and output of audio to alsa loopback device in the past. What makes sense is to use the DGTL mode to output the audio to DREAM. But i did not try so far if the audio from Quisk then interfers with the audio from DREAM. Think that would also need to switch off the original audio in case the external software outputs audio to the soundcard and no second one is available.
Do you think making the filter sample rate of the DGTL mode configurable makes sense ?

I wish a Merry Christmas to you and your family !

regards
Mario

758. VNA problems

Yahoo group: n2adr-sdr
Date: 2012-12-23 21:17:08 UTC
From: zl2apv
Topic: 758 Message: 758

Hi All,

I am having problems with my HiQSDR in VNA mode. The software starts OK but when I try to do, say a transmission short calibration nothing happens.

The problem is intermittent and seems to occur after I have run Quisk. On a clean boot and first time connect to VNA it seems to work every time so far.

The problem occurs with both a network connection and a twisted ethernet cable direct connected.

The problem occurs with both Quisk_vna and Stefan DL2STG's vna software.

Starting from a terminal does not give any different error messages when in faulty mode.

Has anyone else experienced any reluctant startup of their VNA?

73 Graeme

759. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-24 15:47:53 UTC
From: jimahlstrom
Topic: 752 Message: 759

Hi Mario,

It is easy to change the DGTL sample rate to 24 ksps, but harder to get it higher, because the initial decimation is to 24 ksps. Then DGTL would be equivalent to USB at a bandwidth of 10 kHz. Is this too narrow?

An alternative is to send the I/Q (complex) samples at 24 ksps directly to DREAM instead of mono audio. That is always best for any digital mode, but there seems to be no standard way to do this. Does DREAM accept complex samples? If so, how?

Another alternative is to use the external filter option.

To decide which is best I need to know the hardware you are using, the initial samples rates, the final sample rate desired, and whether you want mono audio or I/Q samples. The reason all this is difficult is that I am using a large number of optimized filters and decimation schemes to reduce CPU usage.

Merry Christmas and best wishes for the New Year!

Jim
N2ADR

760. HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-25 07:44:53 UTC
From: Hubert
Topic: 760 Message: 760

Hello HiQSDR group
the static HiQSDR websites have moved to a wiki system.

Since 24 December the HiQSDR wiki is reachable from the adresses http://www.hiqsdr.org and http://www.hiqsdr.de

Have fun with the new Wiki.

73 de DG7MGY Hubert

761. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-25 09:02:16 UTC
From: zl2apv
Topic: 760 Message: 761

Can't access it from ZL but maybe I am a bit too quick. I will try again in the morning.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
> Hello HiQSDR group
> the static HiQSDR websites have moved to a wiki system.
>
> Since 24 December the HiQSDR wiki is reachable from the adresses http://www.hiqsdr.org and http://www.hiqsdr.de
>
> Have fun with the new Wiki.
>
> 73 de DG7MGY Hubert
>

762. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-25 09:59:24 UTC
From: Hubert
Topic: 760 Message: 762

Hello Graeme,
culd be a problem with your browser cache.
We have complete change the server.
Before the static site was a subdomain of finken-net.de now its all redirect to this adress:
http://hiqsdr.com/hiqsdr-wiki/index.php

Please if you have no success with that please let me know.

By the way if you want then create an account and you can contribute something to the wiki itself.

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@...> wrote:
>
> Can't access it from ZL but maybe I am a bit too quick. I will try again in the morning.
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> >
> > Hello HiQSDR group
> > the static HiQSDR websites have moved to a wiki system.
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> > Since 24 December the HiQSDR wiki is reachable from the adresses http://www.hiqsdr.org and http://www.hiqsdr.de
> >
> > Have fun with the new Wiki.
> >
> > 73 de DG7MGY Hubert
> >
>

763. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-25 10:46:21 UTC
From: Mario
Topic: 752 Message: 763

Hi Jim,

many thanks for following up this discussion.

> Then DGTL would be equivalent to USB at a bandwidth of 10 kHz. Is this too narrow?

Yes, i think its a little too narrow. The bandwidth of the DRM signal is 10kHz usually. They can also use a double channel with 20kHz bandwidth.

>
> An alternative is to send the I/Q (complex) samples at 24 ksps directly to DREAM instead of mono audio. That is always best for any digital mode, but there seems to be no standard way to do this. Does DREAM accept complex samples? If so, how?

Oh i agree. DREAM can accept IQ samples via soundcard. Currently there is no chance to get them in via Ethernet although this would be my preferred way. Output of IQ Samples to the loopback sound device would be great because then you could easily connect any software that accepts IQ samples from softrock based receivers.

>
> Another alternative is to use the external filter option.

Ah yes. I forgot about that. Thanks for reminding.

> To decide which is best I need to know the hardware you are using, the initial samples rates, the final sample rate desired, and whether you want mono audio or I/Q samples.

I currently use a HiQSDR. Input sample rates are usually 192kSpl/s or next two higher settings.
Think both options (mono and IQ are needed for different use-cases). DREAM could be very nicely used with IQ input and output and for example FreeDV can only be used with mono signals since it is made for usual SSB radios.
So could it be an option to have a checkbox (IQ / Mono) that switches between complex IO filters and Upper sideband usage ?

> The reason all this is difficult is that I am using a large number of optimized filters and decimation schemes to reduce CPU usage.

Understood. Can the filters be re-used for complex filtering ?

Regarding the IQ samples i have another question independent from the DGTL mode discussion above:
To run the HiQSDR in parallel locally and as a WebSDR it would make sense to have the chance to output the received samples directly to a sound device (loopback). For example set the hardware frontend to 192kSpl/s, receive with Quisk, output the raw samples to the loopback device and use in WebSDR as well. This would make the frontend compatible with WebSDR as well as CWSkimmer. I assume this only makes sense if the rate from the frontend is already a rate that can be used by the loopback device and the software that is

connected at the other end in order to avoid decimation.

regards
Mario

764. Re: MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-25 10:50:35 UTC
From: Mario
Topic: 753 Message: 764

Hi Sid,

sorry, i had not enough time last weekend to do some research of your problem. Am i correct that it only happens if the Preselection filter is connected ?
I did not find time to assemble the board at my side.
I have a look to the schematic.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Thanks Oliver,
> I just have to get rid of the pesky FDX problem.
> I'll try 2 things this weekend.
> Reflash the FPGA with the FPGA_V3-sg1 firmware and if not successful see
> if I have enough connectors to make up a cable with HiQSDR X1-7 to
> Preselector X2-7 missing.
> 73 ... Sid.
>
> On 22/12/12 14:08, Oliver Goldenstein wrote:
> >
> > :-) warming the airwaves
> >
> > have fun Sid
> >
> > 73 Oliver DL6KBG
> >
> > On 21 December 2012 15:25, Sid Boyce <g3vbv@...
> > <mailto:g3vbv@...>> wrote:
> >
> > Thanks Helmut,
> > The MPPA was delivered a few minutes ago and inspected.
> > Excellent build quality as usual.
> > Once my FDX problem is fixed I look forward to warming the
> > airwaves with
> > 10 - 300W.
> > 73 ... Sid.
> >
> > --
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765. Re: [n2adr-sdr] Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-25 15:12:16 UTC
From: Sid Boyce
Topic: 760 Message: 765

Thanks Hubert,
Nicely done.
No problems navigating hiqsdr.org here in the UK.
73 ... Sid.

On 25/12/12 09:59, Hubert wrote:
>
> Hello Graeme,
> culd be a problem with your browser cache.
> We have complete change the server.
> Before the static site was a subdomain of finken-net.de now its all
> redirect to this adress:
> http://hiqsdr.com/hiqsdr-wiki/index.php
>
> Please if you have no success with that please let me know.
>
> By the way if you want then create an account and you can contribute
> something to the wiki itself.
>
> 73 de DG7MGY Hubert
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "zl2apv" <gvjury@...> wrote:
> >
> > Can't access it from ZL but maybe I am a bit too quick. I will try
> again in the morning.
> >
> > 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > >
> > > Hello HiQSDR group
> > > the static HiQSDR websites have moved to a wiki system.
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> > > Since 24 December the HiQSDR wiki is reachable from the adresses
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> > > Have fun with the new Wiki.
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> > > 73 de DG7MGY Hubert
> > >
> >
>
>

--
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766. Re: [n2adr-sdr] Re: MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-25 15:38:25 UTC
From: Sid Boyce
Topic: 753 Message: 766

The FDX LED is on the Preselector and it is permanently on whether the interconnecting cable to the HiQSDR is attached or not so the +0.29V is not a LOW coming from the HiQDSDR FPGA pin 57 via resistor pack RN1.

HiQSDR X1 connects to Preselector X2.

X1 pin 9 (+3.29V) --> X2 pin 9 --> R51 (OK)

X1 pin 7 is not used and should float according to Helmut.

X1 pin 7 (CCTX) --> X2 pin7 --> the other end of R51 is +0.29V.

R51 is a 10K pull-up attached to +3.29V so the +0.29V is not what I would expect. It seems to be acting as a low input to IC7 and propagated to IC5 to turn FDX on.
73 ... Sid.

On 25/12/12 10:50, Mario wrote:
>
> Hi Sid,
>
> sorry, i had not enough time last weekend to do some research of your
> problem. Am i correct that it only happens if the Preselection filter
> is connected ?
> I did not find time to assemble the board at my side.
> I have a look to the schematic.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks Oliver,
> > I just have to get rid of the pesky FDX problem.
> > I'll try 2 things this weekend.
> > Reflash the FPGA with the FPGA_V3-sg1 firmware and if not successful
> see
> > if I have enough connectors to make up a cable with HiQSDR X1-7 to
> > Preselector X2-7 missing.
> > 73 ... Sid.
> >
> > On 22/12/12 14:08, Oliver Goldenstein wrote:
> > >
> > > :-) warming the airwaves
> > >

> > > have fun Sid
> > >
> > > 73 Oliver DL6KBG
> > >
> > > On 21 December 2012 15:25, Sid Boyce <g3vbv@...
> > > <mailto:g3vbv@...>> wrote:
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> > > Thanks Helmut,
> > > The MPPA was delivered a few minutes ago and inspected.
> > > Excellent build quality as usual.
> > > Once my FDX problem is fixed I look forward to warming the
> > > airwaves with
> > > 10 - 300W.
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767. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-26 15:40:15 UTC
From: jimahlstrom
Topic: 752 Message: 767

Hello Mario,

Thank you for the detailed reply. I will be working on this.

Jim
N2ADR

768. FPGA DDS/DUC

Yahoo group: n2adr-sdr
Date: 2012-12-26 18:17:40 UTC
From: Yogy San
Topic: 768 Message: 768

Hi all,

I need to know if the FPGA is used only as a DDC/DUC.
In this case the baseband signal is sent trugh Ethernet chip to the PC where is processed.

If the DUC/DDC is the only function of the FPGA it is used the Core Genarator of ALTERA Quartus and the DDC/DUC is automaticly gennerated or the code is writed by someone ?

Regards,
Cristian.

769. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-26 20:22:34 UTC
From: zl2apv
Topic: 760 Message: 769

Hi Hubert and group,

I have looked more deeply into the connection problem and can confirm it is not a cache problem as I used a machine (my cell phone) which had never accessed the site before and it still won't connect.

I asked my daughter to try from her qth with different isp and she can connect just fine.

She then tried from her work and it failed with the Web Marshall server reporting a timed out connection or not able to connect.

At a bit of a loss what to do next. It may be tied up with robot.txt being used but I am guessing wildly. Maybe I need to add the url to my allowed list on my firewall but that seems a bit drastic.

Any suggestions please,

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Thanks Hubert,
> Nicely done.
> No problems navigating hiqsdr.org here in the UK.
> 73 ... Sid.
>
> On 25/12/12 09:59, Hubert wrote:
> >
> > Hello Graeme,
> > culd be a problem with your browser cache.
> > We have complete change the server.
> > Before the static site was a subdomain of finken-net.de now its all
> > redirect to this adress:
> > http://hiqsdr.com/hiqsdr-wiki/index.php
> >
> > Please if you have no success with that please let me know.
> >
> > By the way if you want then create an account and you can contribute
> > something to the wiki itself.
> >
> > 73 de DG7MGY Hubert
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > "zl2apv" <gvjury@> wrote:
> > >
> > > Can't access it from ZL but maybe I am a bit too quick. I will try
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> > >
> > > 73 Graeme
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > >
> > > > > Hello HiQSDR group
> > > > > the static HiQSDR websites have moved to a wiki system.
> > > > >
> > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > http://www.hiqsdr.org and http://www.hiqsdr.de
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> > > > > Have fun with the new Wiki.
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> > > > > 73 de DG7MGY Hubert
> > > > >
> > > >
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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770. Re: [n2adr-sdr] FPGA DDS/DUC

Yahoo group: n2adr-sdr
Date: 2012-12-26 20:35:25 UTC
From: Sid Boyce
Topic: 768 Message: 770

Hi Cristian,
I think all your questions are answered in the pptx presentation that
can be downloaded from
http://hiqsdr.com/hiqsdr-wiki/index.php?title=HiQSDR-Presentation

There used to be a pdf version there but it seems missing. If you need
it I can email it to you.
Any lingering questions I'm sure will be answered.
73 ... Sid.

On 26/12/12 18:17, Yogy San wrote:
>
> Hi all,
>
> I need to know if the FPGA is used only as a DDC/DUC.
> In this case the baseband signal is sent trugh Ethernet chip to the PC
> where is processed.
>
> If the DUC/DDC is the only function of the FPGA it is used the Core
> Genarator of ALTERA Quartus and the DDC/DUC is automaticly gennerated
> or the code is writed by someone ?
>
> Regards,
> Cristian.
>
>

--
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771. Re: [n2adr-sdr] Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-26 21:02:36 UTC
From: Sid Boyce
Topic: 760 Message: 771

Hi Graeme,
it may not be the same problem but quite some time back I could only get on to the site using opera. Both firefox and google-chrome failed.
All the browsers now work and my Galaxy S2.
73 ... Sid.

On 26/12/12 20:22, zl2apv wrote:
>
> Hi Hubert and group,
>
> I have looked more deeply into the connection problem and can confirm
> it is not a cache problem as I used a machine (my cell phone) which
> had never accessed the site before and it still won't connect.
>
> I asked my daughter to try from her qth with different isp and she can
> connect just fine.
>
> She then tried from her work and it failed with the Web Marshall
> server reporting a timed out connection or not able to connect.
>
> At a bit of a loss what to do next. It may be tied up with robot.txt
> being used but I am guessing wildly. Maybe I need to add the url to my
> allowed list on my firewall but that seems a bit drastic.
>
> Any suggestions please,
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks Hubert,
> > Nicely done.
> > No problems navigating hiqsdr.org here in the UK.
> > 73 ... Sid.
> >
> > On 25/12/12 09:59, Hubert wrote:
> > >
> > > Hello Graeme,
> > > culd be a problem with your browser cache.
> > > We have complete change the server.
> > > Before the static site was a subdomain of finken-net.de now its all
> > > redirect to this adress:
> > > http://hiqsdr.com/hiqsdr-wiki/index.php
> > >

> > > Please if you have no success with that please let me know.
> > >
> > > By the way if you want then create an account and you can contribute
> > > something to the wiki itself.
> > >
> > > 73 de DG7MGY Hubert
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> <mailto:n2adr-sdr%40yahoogroups.com>,
> > > "zl2apv" <gvjury@> wrote:
> > > >
> > > > Can't access it from ZL but maybe I am a bit too quick. I will try
> > > again in the morning.
> > > >
> > > > 73 Graeme
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> > > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > >
> > > > > Hello HiQSDR group
> > > > > the static HiQSDR websites have moved to a wiki system.
> > > > >
> > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > > http://www.hiqsdr.org and http://www.hiqsdr.de
> > > > >
> > > > > Have fun with the new Wiki.
> > > > >
> > > > > 73 de DG7MGY Hubert
> > > > >
> > > >
> > > >
> > >
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> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>

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772. Re: [n2adr-sdr] Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-26 22:53:39 UTC
From: Wayne Knowles
Topic: 760 Message: 772

Graeme,

It is working for me in NZ. Cannot say which ISP as I am using a free wifi connection from a motel room.

73,
Wayne ZL2BKC

Sent from my iPod

On Dec 27, 2012, at 9:22 AM, "zl2apv" <gvjury@...> wrote:

> Hi Hubert and group,
>
> I have looked more deeply into the connection problem and can confirm it is not a cache problem as I used a machine (my cell phone) which had never accessed the site before and it still won't connect.
>
> I asked my daughter to try from her qth with different isp and she can connect just fine.
>
> She then tried from her work and it failed with the Web Marshall server reporting a timed out connection or not able to connect.
>
> At a bit of a loss what to do next. It may be tied up with robot.txt being used but I am guessing wildly. Maybe I need to add the url to my allowed list on my firewall but that seems a bit drastic.
>
> Any suggestions please,
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks Hubert,
> > Nicely done.
> > No problems navigating hiqsdr.org here in the UK.
> > 73 ... Sid.
> >
> > On 25/12/12 09:59, Hubert wrote:
> > >
> > > Hello Graeme,
> > > culd be a problem with your browser cache.
> > > We have complete change the server.
> > > Before the static site was a subdomain of finken-net.de now its all
> > > redirect to this adress:
> > > http://hiqsdr.com/hiqsdr-wiki/index.php

> > >
> > > Please if you have no success with that please let me know.
> > >
> > > By the way if you want then create an account and you can contribute
> > > something to the wiki itself.
> > >
> > > 73 de DG7MGY Hubert
> > >
> > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > "zl2apv" <gvjury@> wrote:
> > > >
> > > > Can't access it from ZL but maybe I am a bit too quick. I will try
> > > again in the morning.
> > > >
> > > > 73 Graeme
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com
> > > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > >
> > > > > Hello HiQSDR group
> > > > > the static HiQSDR websites have moved to a wiki system.
> > > > >
> > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > > http://www.hiqsdr.org and http://www.hiqsdr.de
> > > > >
> > > > > Have fun with the new Wiki.
> > > > >
> > > > > 73 de DG7MGY Hubert
> > > > >
> > > >
> > > >
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
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> >
>
>

773. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-27 02:02:03 UTC
From: zl2apv
Topic: 760 Message: 773

Hi Wayne and Sid,

Thanks for the help. I have installed Midori but still can't access. I did not expect to as I can not ping hiqsdr.com although I can ping hiqsdr.org just fine.

It appears that it works from some isp's and not others so the mystery deepens. I think I will contact my isp and see if they have any suggestions.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, Wayne Knowles <w.knowles@...> wrote:
>
> Graeme,
>
> It is working for me in NZ. Cannot say which ISP as I am using a free wifi connection from a motel room.
>
> 73,
> Wayne ZL2BKC
>
> Sent from my iPod
>
> On Dec 27, 2012, at 9:22 AM, "zl2apv" <gvjury@...> wrote:
>
> > Hi Hubert and group,
> >
> > I have looked more deeply into the connection problem and can confirm it is not a cache problem as I used a machine (my cell phone) which had never accessed the site before and it still won't connect.
> >
> > I asked my daughter to try from her qth with different isp and she can connect just fine.
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> >
> > At a bit of a loss what to do next. It may be tied up with robot.txt being used but I am guessing wildly. Maybe I need to add the url to my allowed list on my firewall but that seems a bit drastic.
> >
> > Any suggestions please,
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> > >

> > > Thanks Hubert,
> > > Nicely done.
> > > No problems navigating hiqsdr.org here in the UK.
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> > >
> > > On 25/12/12 09:59, Hubert wrote:
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> > > > Hello Graeme,
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> > > > http://hiqsdr.com/hiqsdr-wiki/index.php
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> > > > Please if you have no success with that please let me know.
> > > >
> > > > By the way if you want then create an account and you can contribute
> > > > something to the wiki itself.
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> > > > 73 de DG7MGY Hubert
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> > > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > > "zl2apv" <gvjury@> wrote:
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> > > > > Can't access it from ZL but maybe I am a bit too quick. I will try
> > > > again in the morning.
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> > > > > 73 Graeme
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> > > > > --- In n2adr-sdr@yahoogroups.com
> > > > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > > >
> > > > > > Hello HiQSDR group
> > > > > > the static HiQSDR websites have moved to a wiki system.
> > > > > >
> > > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > > > http://www.hiqsdr.org and http://www.hiqsdr.de
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> > > > > > Have fun with the new Wiki.
> > > > > >
> > > > > > 73 de DG7MGY Hubert
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> > > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > >
> >
> >
>

774. Re: [n2adr-sdr] FPGA DDS/DUC

Yahoo group: n2adr-sdr
Date: 2012-12-27 16:55:36 UTC
From: Cristian Tanase
Topic: 768 Message: 774

Hi Sid,

It seems that the link is not working.
Cand you send me the PDF ?

Regards,
Cristian.

From: Sid Boyce <g3vbv@...>
To: n2adr-sdr@yahoogroups.com
Sent: Wednesday, December 26, 2012 10:35 PM
Subject: Re: [n2adr-sdr] FPGA DDS/DUC

Hi Cristian,
I think all your questions are answered in the pptx presentation
that can be downloaded from
http://hiqsdr.com/hiqsdr-wiki/index.php?title=HiQSDR-Presentation

There used to be a pdf version there but it seems missing. If you
need it I can email it to you.
Any lingering questions I'm sure will be answered.
73 ... Sid.

On 26/12/12 18:17, Yogy San wrote:

>Hi all,
>
>I need to know if the FPGA is used only as a DDC/DUC.
>In this case the baseband signal is sent trugh Ethernet
chip to the PC where is processed.
>
>If the DUC/DDC is the only function of the FPGA it is used
the Core Genarator of ALTERA Quartus and the DDC/DUC is
automaticly gennerated or the code is writed by someone ?
>
>Regards,
>Cristian.
>
>

--
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775. Domain availability

Yahoo group: n2adr-sdr
Date: 2012-12-27 21:23:56 UTC
From: Helmut Goebkes
Topic: 775 Message: 775

Hi Group Members,

we changed the Domain Hosting of all HiQSDR Domains

HiQSDR.de
HiQSDR.com
HiQSDR.org

to a new Provider with more site space and higher backbone speed.
This is done to support you with better and more powerful
HiQSDR Websites.

Due to the domain Transfers, the availability / acessability
of the above domains (and the Wiki)
can be reduced the next few days.

Currently the easiest way to access the actual HiQSDR-Wiki is
to connect it directly via the following link:

http://www.hiqsdr.com/hiqsdr-wiki/index.php

In a few days, the domain moving will be completed and the sites are normal accessible via the "plain" web addresses as usual.

Thank you to be Patient

73!

Helmut, DB1CC

776. Re: [n2adr-sdr] FPGA DDS/DUC

Yahoo group: n2adr-sdr
Date: 2012-12-27 23:59:03 UTC
From: Sid Boyce
Topic: 768 Message: 776

Sent direct to you.
73 ... Sid.

On 27/12/12 16:55, Cristian Tanase wrote:
> Hi Sid,
>
> It seems that the link is not working.
> Cand you send me the PDF ?
>
> Regards,
> Cristian.
>
> ---
> *From:* Sid Boyce <g3vbv@...>
> *To:* n2adr-sdr@yahoogroups.com
> *Sent:* Wednesday, December 26, 2012 10:35 PM
> *Subject:* Re: [n2adr-sdr] FPGA DDS/DUC
>
> Hi Cristian,
> I think all your questions are answered in the pptx presentation that
> can be downloaded from
> http://hiqsdr.com/hiqsdr-wiki/index.php?title=HiQSDR-Presentation
>
> There used to be a pdf version there but it seems missing. If you need
> it I can email it to you.
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> 73 ... Sid.
>
> On 26/12/12 18:17, Yogy San wrote:
>> Hi all,
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>> In this case the baseband signal is sent trugh Ethernet chip to the
>> PC where is processed.
>>
>> If the DUC/DDC is the only function of the FPGA it is used the Core
>> Genarator of ALTERA Quartus and the DDC/DUC is automaticly gennerated
>> or the code is writed by someone ?
>>
>> Regards,
>> Cristian.
>>
>
>
> --

> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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Senior Staff Specialist, Cricket Coach
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777. Re: [n2adr-sdr] Re: MPPA received

Yahoo group: n2adr-sdr
Date: 2012-12-28 00:06:19 UTC
From: Sid Boyce
Topic: 753 Message: 777

Hi Helmut,
With the cable removed and the FDX LED still lit, looks like a problem
on the Preselector itself.
There is RN5 and CN3 as possible suspects for holding the other end of
R51 at +0.29V.
Any thoughts?
73 ... Sid.

On 25/12/12 15:38, Sid Boyce wrote:
>
> The FDX LED is on the Preselector and it is permanently on whether the
> interconnecting cable to the HiQSDR is attached or not so the +0.29V
> is not a LOW coming from the HiQDSDR FPGA pin 57 via resistor pack RN1.
>
> HiQSDR X1 connects to Preselector X2.
>
> X1 pin 9 (+3.29V) --> X2 pin 9 --> R51 (OK)
>
> X1 pin 7 is not used and should float according to Helmut.
>
> X1 pin 7 (CCTX) --> X2 pin7 --> the other end of R51 is +0.29V.
>
> R51 is a 10K pull-up attached to +3.29V so the +0.29V is not what I
> would expect. It seems to be acting as a low input to IC7 and
> propagated to IC5 to turn FDX on.
> 73 ... Sid.
>
> On 25/12/12 10:50, Mario wrote:
>>
>> Hi Sid,
>>
>> sorry, i had not enough time last weekend to do some research of your
>> problem. Am i correct that it only happens if the Preselection filter
>> is connected ?
>> I did not find time to assemble the board at my side.
>> I have a look to the schematic.
>>
>> regards
>> Mario
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, Sid Boyce <g3vbv@...> wrote:
>> >
>> > Thanks Oliver,
>> > I just have to get rid of the pesky FDX problem.

>> > I'll try 2 things this weekend.
>> > Reflash the FPGA with the FPGA_V3-sg1 firmware and if not
>> successful see
>> > if I have enough connectors to make up a cable with HiQSDR X1-7 to
>> > Preselector X2-7 missing.
>> > 73 ... Sid.
>> >
>> > On 22/12/12 14:08, Oliver Goldenstein wrote:
>> > >
>> > > :-) warming the airwaves
>> > >
>> > > have fun Sid
>> > >
>> > > 73 Oliver DL6KBG
>> > >
>> > > On 21 December 2012 15:25, Sid Boyce <g3vbv@...
>> > > <mailto:g3vbv@...>> wrote:
>> > >
>> > > Thanks Helmut,
>> > > The MPPA was delivered a few minutes ago and inspected.
>> > > Excellent build quality as usual.
>> > > Once my FDX problem is fixed I look forward to warming the
>> > > airwaves with
>> > > 10 - 300W.
>> > > 73 ... Sid.
>> > >
>> > > --
>> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> > > Senior Staff Specialist, Cricket Coach
>> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>> > >
>> > >
>> > > ------------------------------------
>> > >
>> > > Yahoo! Groups Links
>> > >
>> > >
>> > > n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured%40yahoogroups.com>
>> > > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured%40yahoogroups.com>>
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>

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778. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-30 07:46:22 UTC
From: Hubert
Topic: 760 Message: 778

Hello Graeme and group,
many thanks for testing and your comments.
Meanwhile, the domains were migrated to the new provider
so there should be no problem with the accessibility of the sites more.

73 de DG7MGY

--- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@...> wrote:
>
> Hi Wayne and Sid,
>
> Thanks for the help. I have installed Midori but still can't access. I did not expect to as I can not ping hiqsdr.com although I can ping hiqsdr.org just fine.
>
> It appears that it works from some isp's and not others so the mystery deepens. I think I will contact my isp and see if they have any suggestions.
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, Wayne Knowles <w.knowles@> wrote:
> >
> > Graeme,
> >
> > It is working for me in NZ. Cannot say which ISP as I am using a free wifi connection from a motel room.
> >
> > 73,
> > Wayne ZL2BKC
> >
> > Sent from my iPod
> >
> > On Dec 27, 2012, at 9:22 AM, "zl2apv" <gvjury@> wrote:
> >
> > > Hi Hubert and group,
> > >
> > > I have looked more deeply into the connection problem and can confirm it is not a cache problem as I used a machine (my cell phone) which had never accessed the site before and it still won't connect.
> > >
> > > I asked my daughter to try from her qth with different isp and she can connect just fine.
> > >
> > > She then tried from her work and it failed with the Web Marshall server reporting a timed out connection or not able to connect.
> > >

> > > At a bit of a loss what to do next. It may be tied up with robot.txt being used but I am guessing wildly. Maybe I need to add the url to my allowed list on my firewall but that seems a bit drastic.
> > >
> > > Any suggestions please,
> > >
> > > 73 Graeme ZL2APV
> > >
> > > --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> > > >
> > > > Thanks Hubert,
> > > > Nicely done.
> > > > No problems navigating hiqsdr.org here in the UK.
> > > > 73 ... Sid.
> > > >
> > > > On 25/12/12 09:59, Hubert wrote:
> > > > >
> > > > > Hello Graeme,
> > > > > culd be a problem with your browser cache.
> > > > > We have complete change the server.
> > > > > Before the static site was a subdomain of finken-net.de now its all
> > > > > redirect to this adress:
> > > > > http://hiqsdr.com/hiqsdr-wiki/index.php
> > > > >
> > > > > Please if you have no success with that please let me know.
> > > > >
> > > > > By the way if you want then create an account and you can contribute
> > > > > something to the wiki itself.
> > > > >
> > > > > 73 de DG7MGY Hubert
> > > > >
> > > > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > > > "zl2apv" <gvjury@> wrote:
> > > > > >
> > > > > > Can't access it from ZL but maybe I am a bit too quick. I will try
> > > > > again in the morning.
> > > > > >
> > > > > > 73 Graeme
> > > > > >
> > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > > > >
> > > > > > > Hello HiQSDR group
> > > > > > > the static HiQSDR websites have moved to a wiki system.
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> > > > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > > > > http://www.hiqsdr.org and http://www.hiqsdr.de
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> > > > > > > Have fun with the new Wiki.
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> > > > > > > 73 de DG7MGY Hubert
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> > > > > > >
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> > > > > >
> > > > > --
> > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> > > >
> > > >
> > >
>

779. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2012-12-30 11:05:52 UTC
From: Mario
Topic: 752 Message: 779

Hi Jim,

there were some discussions which sideband to use in digital modes below 10MHz in the FreeDV google group. I had the opinion that always USB should be used but it turned out that it could be rather inconvenient. In case you have a mixed mode QSO (for example SSTV/SSB) you might need to use LSB for digital mode because otherwise you need to switch from Digital to Analog and change the frequency as well. So this makes it more complicated. Unfortunately it seems not enough to use USB always for digital modes. Probably this could be linked to the last setting of the SSB sideband.
Hope this does not create too much headache ;)

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello Mario,
>
> Thank you for the detailed reply. I will be working on this.
>
> Jim
> N2ADR
>

780. Re: HiQSDR Website moved to a Wiki

Yahoo group: n2adr-sdr
Date: 2012-12-30 20:08:44 UTC
From: zl2apv
Topic: 760 Message: 780

Hi Hubert,

Sorry I can't test any further as it seems my isp has blocked for some unknown reason the url. I have contacted them and asked them to allow the connection but at holiday time I have had no response. Looking forward to accessing the site.

```
gvj@E1505:~$ mtr -c 5 -r hiqsdr.com
HOST: E1505 Loss% Snt Last Avg Best Wrst StDev
1.|-- 192.168.1.1 0.0% 5 0.3 0.4 0.3 0.4 0.0
2.|-- cpiak1-l9-G-internet.tran 0.0% 5 18.7 18.4 17.9 18.7 0.3
3.|-- 202.180.76.74 0.0% 5 19.2 19.1 18.8 19.4 0.2
4.|-- vlan7-cpcak3-s1.tranzpeer 0.0% 5 19.7 18.9 18.0 19.7 0.7
5.|-- x7-1-0-101.akbr5.global-g 0.0% 5 19.3 21.7 18.9 32.3 5.9
6.|-- ??? 100.0 5 0.0 0.0 0.0 0.0 0.0
```

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
>
>
> Hello Graeme and group,
> many thanks for testing and your comments.
> Meanwhile, the domains were migrated to the new provider
> so there should be no problem with the accessibility of the sites more.
>
> 73 de DG7MGY
>
> --- In n2adr-sdr@yahoogroups.com, "zl2apv" <gvjury@> wrote:
> >
> > Hi Wayne and Sid,
> >
> > Thanks for the help. I have installed Midori but still can't access. I did not expect to as I can not ping hiqsdr.com although I can ping hiqsdr.org just fine.
> >
> > It appears that it works from some isp's and not others so the mystery deepens. I think I will contact my isp and see if they have any suggestions.
> >
> > 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com, Wayne Knowles <w.knowles@> wrote:
> > >
> > > Graeme,
> > >
> > > It is working for me in NZ. Cannot say which ISP as I am using a free wifi connection from a motel room.

> > >
> > > 73,
> > > Wayne ZL2BKC
> > >
> > > Sent from my iPod
> > >
> > > On Dec 27, 2012, at 9:22 AM, "zl2apv" <gvjury@> wrote:
> > >
> > > > Hi Hubert and group,
> > > >
> > > > I have looked more deeply into the connection problem and can confirm it is not a cache problem as I used a machine (my cell phone) which had never accessed the site before and it still won't connect.
> > > >
> > > > I asked my daughter to try from her qth with different isp and she can connect just fine.
> > > >
> > > > She then tried from her work and it failed with the Web Marshall server reporting a timed out connection or not able to connect.
> > > >
> > > > At a bit of a loss what to do next. It may be tied up with robot.txt being used but I am guessing wildly. Maybe I need to add the url to my allowed list on my firewall but that seems a bit drastic.
> > > >
> > > > Any suggestions please,
> > > >
> > > > 73 Graeme ZL2APV
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> > > > >
> > > > > Thanks Hubert,
> > > > > Nicely done.
> > > > > No problems navigating hiqsdr.org here in the UK.
> > > > > 73 ... Sid.
> > > > >
> > > > > On 25/12/12 09:59, Hubert wrote:
> > > > > >
> > > > > > Hello Graeme,
> > > > > > culd be a problem with your browser cache.
> > > > > > We have complete change the server.
> > > > > > Before the static site was a subdomain of finken-net.de now its all
> > > > > > redirect to this adress:
> > > > > > http://hiqsdr.com/hiqsdr-wiki/index.php
> > > > > >
> > > > > > Please if you have no success with that please let me know.
> > > > > >
> > > > > > By the way if you want then create an account and you can contribute
> > > > > > something to the wiki itself.
> > > > > >
> > > > > > 73 de DG7MGY Hubert

> > > > > >
> > > > > > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > > > > > "zl2apv" <gvjury@> wrote:
> > > > > > >
> > > > > > > Can't access it from ZL but maybe I am a bit too quick. I will try
> > > > > > again in the morning.
> > > > > > >
> > > > > > > 73 Graeme
> > > > > > >
> > > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > > <mailto:n2adr-sdr%40yahoogroups.com>, "Hubert" <fink-hubert@> wrote:
> > > > > > > >
> > > > > > > > Hello HiQSDR group
> > > > > > > > the static HiQSDR websites have moved to a wiki system.
> > > > > > > >
> > > > > > > > Since 24 December the HiQSDR wiki is reachable from the adresses
> > > > > > http://www.hiqsdr.org and http://www.hiqsdr.de
> > > > > > > >
> > > > > > > > Have fun with the new Wiki.
> > > > > > > >
> > > > > > > > 73 de DG7MGY Hubert
> > > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > --
> > > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > > > Senior Staff Specialist, Cricket Coach
> > > > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > > > >
> > > > >
> > > > >
> > > >
> > >
>

781. Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-01 17:49:56 UTC
From: Mario
Topic: 781 Message: 781

Hi,

currently i am assembling the preselector board.
D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes TZMC12-GS08 are mentioned. Which one is correct ?

regards
Mario

782. AW: [n2adr-sdr] Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-01 18:51:49 UTC
From: Dr. Karsten Schmidt
Topic: 781 Message: 782

Hi Mario,

I checked the documentation, on my version "I" I found the MBR160 in the schematics and in the partlist the MBRS160. So, I put three simple Schottky Diodes 1A, 60V on my board.

Kind regards an happy new yew

73 de dg1vs

Karsten

Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag von Mario
Gesendet: Dienstag, 1. Januar 2013 18:50
An: n2adr-sdr@yahoogroups.com
Betreff: [n2adr-sdr] Preselector partlist question

Hi,

currently i am assembling the preselector board.
D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes TZMC12-GS08 are mentioned. Which one is correct ?

regards
Mario

783. Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-01 19:17:12 UTC
From: Mario
Topic: 781 Message: 783

Hi Karsten,

thanks for the hint. I had also some schottky diode in my mind but the current schematic on the hiqsdr wiki states the Z diodes.
I will wait for the answer from Helmut but i guess the shottky diode is what he intended.

BTW: Did you use the both Panasonic power chockes from the partlist or did you find a replacement ? I did not find a suitable SMD 1mH chocke so far.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Dr. Karsten Schmidt" <karsten.schmidt@...> wrote:
>
> Hi Mario,
>
>
>
> I checked the documentation, on my version "I" I found the MBR160 in the
> schematics and in the partlist the MBRS160. So, I put three simple Schottky
> Diodes 1A, 60V on my board.
>
>
>
> Kind regards an happy new yew
>
> 73 de dg1vs
>
> Karsten
>
>
>
> Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag
> von Mario
> Gesendet: Dienstag, 1. Januar 2013 18:50
> An: n2adr-sdr@yahoogroups.com
> Betreff: [n2adr-sdr] Preselector partlist question
>
>
>
>
>
>
> Hi,
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> D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes

> TZMC12-GS08 are mentioned. Which one is correct ?
>
> regards
> Mario
>

784. AW: [n2adr-sdr] Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-01 20:26:11 UTC
From: Dr. Karsten Schmidt
Topic: 781 Message: 784

Hi Mario,

as far as I know, I have a spare matching "Panasonic" power chokes. I will check this in a couple of minutes, but probably answer tomorrow J. You mean L1, right?

One _important_ hint:

Please think about the soldering of the relays.

For instance:

Start with Rel24 then Rel18 then Rel25 then Rel19 then Rel26 then Rel20 and so on.

Do __NOT__ solder Rel24 then Rel25 then Rel 26 . otherwise it's impossible to solder Rel19!!!!!!!!!!

Kind regards

Karsten

BTW: Karsten.Schmidt@...

Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag von Mario
Gesendet: Dienstag, 1. Januar 2013 20:17
An: n2adr-sdr@yahoogroups.com
Betreff: [n2adr-sdr] Re: Preselector partlist question

Hi Karsten,

thanks for the hint. I had also some schottky diode in my mind but the current schematic on the hiqsdr wiki states the Z diodes.
I will wait for the answer from Helmut but i guess the shottky diode is what he intended.

BTW: Did you use the both Panasonic power chockes from the partlist or did you find a replacement ? I did not find a suitable SMD 1mH chocke so far.

regards
Mario

--- In <mailto:n2adr-sdr%40yahoogroups.com> n2adr-sdr@yahoogroups.com, "Dr. Karsten Schmidt" < <mailto:karsten.schmidt@...> karsten.schmidt@...> wrote:
>
> Hi Mario,
>
>

>
> I checked the documentation, on my version "I" I found the MBR160 in the
> schematics and in the partlist the MBRS160. So, I put three simple
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> Diodes 1A, 60V on my board.
>
>
>
> Kind regards an happy new yew
>
> 73 de dg1vs
>
> Karsten
>
>
>
> Von: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
[mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>] Im
Auftrag
> von Mario
> Gesendet: Dienstag, 1. Januar 2013 18:50
> An: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
> Betreff: [n2adr-sdr] Preselector partlist question
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> Hi,
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> D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes
> TZMC12-GS08 are mentioned. Which one is correct ?
>
> regards
> Mario
>

785. AW: [n2adr-sdr] Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-01 20:47:09 UTC
From: Dr. Karsten Schmidt
Topic: 781 Message: 785

Hi Mario,

I have 2 spare power chokes. Please send me you address, and I will send you one.

73 de dg1vs

Karsten

Von: n2adr-sdr@yahoogroups.com [mailto:n2adr-sdr@yahoogroups.com] Im Auftrag von Mario
Gesendet: Dienstag, 1. Januar 2013 20:17
An: n2adr-sdr@yahoogroups.com
Betreff: [n2adr-sdr] Re: Preselector partlist question

Hi Karsten,

thanks for the hint. I had also some schottky diode in my mind but the current schematic on the hiqsdr wiki states the Z diodes.
I will wait for the answer from Helmut but i guess the shottky diode is what he intended.

BTW: Did you use the both Panasonic power chockes from the partlist or did you find a replacement ? I did not find a suitable SMD 1mH chocke so far.

regards
Mario

--- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com> , "Dr. Karsten Schmidt" <karsten.schmidt@...> wrote:
>
> Hi Mario,
>
>
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> I checked the documentation, on my version "I" I found the MBR160 in the
> schematics and in the partlist the MBRS160. So, I put three simple Schottky
> Diodes 1A, 60V on my board.
>
>
>
> Kind regards an happy new yew
>
> 73 de dg1vs
>
> Karsten

>
>
>
> Von: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
[mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>] Im
Auftrag
> von Mario
> Gesendet: Dienstag, 1. Januar 2013 18:50
> An: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
> Betreff: [n2adr-sdr] Preselector partlist question
>
>
>
>
>
> Hi,
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> D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes
> TZMC12-GS08 are mentioned. Which one is correct ?
>
> regards
> Mario
>

786. Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-02 08:05:37 UTC
From: Mario
Topic: 781 Message: 786

Hi Karsten,

i have sent you an eMail. Many thanks for the offer !

BTW: The link for the partlist in Open Document format is broken currently.

regards
Mario

787. Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-02 10:04:08 UTC
From: Helmut Goebkes
Topic: 781 Message: 787

Hi Mario, hi members

>D4,D5,D6 are MBRS160 in the partlist. In the schematic 12V Z-Diodes >TZMC12-GS08 are mentioned. Which one is correct ?

Normally, you can use the MBRS160 types, power schottky diodes.
But Keep in mind, that if you use the schottky diode, the cathode must be in the correct direction, i.e. Cathode must on 12V power supply side.
ULN2803 has internal free wheeling diodes but for safety we have to add an external one.

The use (and the Intention why i draw them into the schematics)
of a power Zener-Diode as free wheeling diode is a Little trick of
mine. If you switching off a relay, the magnetic energy in the relay
holds the relay at the active state until the energy has dropped.
With a "normal" free wheeling Diode, the voltage is clamped to 12V suplly. If you allow stored energy to rise to higher voltages, the Switch off is faster. To limit the voltage for the free wheeling, a power Zener is used. The Zener voltage (and therefore the max. free wheeling voltage) must below the ULN2803 Limits and all connected parts, so i used a 12 Volt Zener to allow rising up to 12V+12V=24V.
But in reality, this speeding up of the relay turn-off is not
so big the it is needed here, and therefore you can use normal Schottky diodes (but Keep in mind the correct polarisation!!!)

73!
Helmut

PS Mario, Cores on the way to you!

788. Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-02 10:45:51 UTC
From: Mario
Topic: 781 Message: 788

Hi Helmut,

many thanks for the fine explanation !

regards
Mario

789. Re: Preselector partlist question

Yahoo group: n2adr-sdr
Date: 2013-01-03 09:39:30 UTC
From: Mario
Topic: 781 Message: 789

Hi Helmut,

sorry for another question:

Preselektor L8 & L9 are marked as 470uH 0805 inductors.
Can you indicate a type ? I was not able to find 470uH in 0805 size so far. Just 1007. Or is a BLM Ferrite beat ok as well there ?

regards
Mario

790. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2013-01-03 13:59:20 UTC
From: jimahlstrom
Topic: 752 Message: 790

Hi Mario,

I see from the code that the digital modes always play at the radio sound play rate, but the digital input must be 48 ksps. Often the radio sound play rate is 48 ksps too, but what if it is not? It seems to me that the digital modes should always play at 48 ksps even if the radio plays sound at a different rate.

Do you think that the digital play rate and digital input (capture) rate should be fixed at 48 ksps?

What does everyone else think?

Jim
N2ADR

791. Re: Quisk digital filtering

Yahoo group: n2adr-sdr
Date: 2013-01-03 16:14:55 UTC
From: Mario
Topic: 752 Message: 791

Hi Jim,

since it seems that we never play or input bandwidths >20kHz it appears that 48kHz samplerate is fine. What i do not know is if every hardware soundcard can really handle 48kHz or if some can use 41kHz only.
I think for the moment 48kHz is ok. At least i never used something different ;)

regards
Mario

792. Quisk Frequency Measurement

Yahoo group: n2adr-sdr
Date: 2013-01-03 21:54:10 UTC
From: jimahlstrom
Topic: 792 Message: 792

Hello,

Quisk 3.6.5 has a feature to measure the frequency of a received signal. Right-click the S-meter window to turn it on.

I used this in the November 2012 ARRL Frequency Measuring Test with good results. First I warmed up my hardware for several hours. I measured WWV at 5 and 10 megahertz for a calibration during the test, and measured the eight frequencies on the 160, 80 and 40 meter bands. The signal on 160 was inaudible, but the software measured it anyway.

The result was an average error of 0.03 Hertz, with a maximum error of 0.22 Hertz. Not bad for a free running crystal oscillator (with maybe a little luck)!

The software design is straightforward. The signal is decimated to 6000 sps, and a 12000 point FFT results in a bin width of 0.5 Hertz. The peak bin and the two adjacent bins are interpolated to get the measured result. Results are at http://www.b4h.net/fmt/fmtresults201211.php .

On a different note, the latest QEX has an article on my VNA. The publishing lead time of QEX is about ten months.

Jim
N2ADR

793. Re: [n2adr-sdr] Quisk Frequency Measurement

Yahoo group: n2adr-sdr
Date: 2013-01-03 23:38:17 UTC
From: Sid Boyce
Topic: 792 Message: 793

Him Jim,
I have been reading your article in QEX, excellent presentation.
73 ... Sid.

On 03/01/13 21:54, jimahlstrom wrote:
>
> Hello,
>
> Quisk 3.6.5 has a feature to measure the frequency of a received
> signal. Right-click the S-meter window to turn it on.
>
> I used this in the November 2012 ARRL Frequency Measuring Test with
> good results. First I warmed up my hardware for several hours. I
> measured WWV at 5 and 10 megahertz for a calibration during the test,
> and measured the eight frequencies on the 160, 80 and 40 meter bands.
> The signal on 160 was inaudible, but the software measured it anyway.
>
> The result was an average error of 0.03 Hertz, with a maximum error of
> 0.22 Hertz. Not bad for a free running crystal oscillator (with maybe
> a little luck)!
>
> The software design is straightforward. The signal is decimated to
> 6000 sps, and a 12000 point FFT results in a bin width of 0.5 Hertz.
> The peak bin and the two adjacent bins are interpolated to get the
> measured result. Results are at
> http://www.b4h.net/fmt/fmtresults201211.php .
>
> On a different note, the latest QEX has an article on my VNA. The
> publishing lead time of QEX is about ten months.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

794. Preselector construction Problem and solution

Yahoo group: n2adr-sdr
Date: 2013-01-05 07:08:03 UTC
From: zl2apv
Topic: 794 Message: 794

Hi All,

I decided to roll my own preselector as I had a lot of T37 toroid cores and a bundle of dip relays recovered from an old PABX (MR62-12usr) and I wanted an 0.75 octave filter set rather than ham-band only.

I breadboarded by soldering the relays down both sides of a piece of PCB with tracks scribed for the relay pins. The RF in contact was connected by a transmission line of RG174 with 2 mm of braid removed to correspond with each relay contact and the centre soldered to the pin. Each side of the pin the braid was soldered to the PCB earth plane.

Pieces of PCB were glued to the PCB for the toroid and capacitor interconnections and the 10 metre (a 3 pole Chebyshev mesh filter) was constructed.

Missing out the relays the filter performed as designed using the sdr vna but when it was connected via the relay chain it had a notch at about 55 MHz and the attenuation at 60 MHz was only 28 dB and trending worse as frequency rose.

I put terminating resistors on all the normally made contacts of the relays which improved the 60 MHz attenuation 3 or 4 dB but did not affect the notch at all. I then removed the resistors and hard grounded them with a tiny improvement but not worth the trouble.

Finally I bypassed with .01 uF the +ve common rail of the relay coils and it was like magic. The filter now performed similar to how it did stand alone. Adding two more bypasses along the relay chain improved things even more.

I did not expect it to be resonances from the relay coil but that was the problem. What I am suggesting is that if you use cheap non RF relays that you bypass the coil to ground. In my final board I will design it with a bypass on both the 12 V +ve and the switched negative side of the coil. A small price to pay for cheap second hand relays. Typical miserly ham :-)

73 Graeme ZL2APV

795. HiQSDR VNA problem

Yahoo group: n2adr-sdr
Date: 2013-01-05 07:15:45 UTC
From: zl2apv
Topic: 795 Message: 795

Hi All,

When I first switch on my HiQSDR and run the VNA software it works flawlessly and will run indefinately (well I have run it for about 14 hours at a stretch) but if I close down the vna software and restart it it simply won't communicate with the HiQSDR.

I can start Quisk and that works fine on both Rx and Tx but until I have turned off the HiQSDR and left it for a while I can't run the vna.

It seems heat related?? with having to leave it for a while but that does not entirely stack up as the vna runs continuously once going.

It has been like this from the day I got the board and I am wondering if it is just my board or a "feature". I would certainly appreciate any help I can get.

73 Graeme ZL2APV

796. Re: [n2adr-sdr] HiQSDR VNA problem

Yahoo group: n2adr-sdr
Date: 2013-01-05 17:20:09 UTC
From: Sid Boyce
Topic: 795 Message: 796

Hi Graeme,
This may not have anything to do with the problem but I don't like components getting any hotter than I can avoid

Having made up a crude-ish aluminium case for the HiQSDR I noticed the top was getting quite warm above the FPGA so I've placed a 2" x 2" 12V DC fan run at +6V mounted on top of the case above the FPGA and I never feel any warmth from the exhaust air.

At one stage I was thinking of sticking a heatsink on to the FPGA as some of the HPSDR guys have done for the Hermes FPGA and ADC.
73 ... Sid.

On 05/01/13 07:15, zl2apv wrote:
>
> Hi All,
>
> When I first switch on my HiQSDR and run the VNA software it works
> flawlessly and will run indefinately (well I have run it for about 14
> hours at a stretch) but if I close down the vna software and restart
> it it simply won't communicate with the HiQSDR.
>
> I can start Quisk and that works fine on both Rx and Tx but until I
> have turned off the HiQSDR and left it for a while I can't run the vna.
>
> It seems heat related?? with having to leave it for a while but that
> does not entirely stack up as the vna runs continuously once going.
>
> It has been like this from the day I got the board and I am wondering
> if it is just my board or a "feature". I would certainly appreciate
> any help I can get.
>
> 73 Graeme ZL2APV
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

797. Re: HiQSDR VNA problem

Yahoo group: n2adr-sdr
Date: 2013-01-05 20:05:28 UTC
From: zl2apv
Topic: 795 Message: 797

Hi Sid,

I absolutely agree on the heatsink stuff. I am screwing the HiQSDR heat block to a 3 mm Al extrusion with fins screwed to it as part of the case and yes I have a cpu heat sink to go onto the fpga. Probably an overkill but I feel the same as you about cooling and my intention is to have the radio running permanently 24/7 so it needs things stacked in its favor.

The strange behaviour happens with negligible heating i.e. I can switch on and run the vna for 10 seconds or so, close down the vna and open quisk, immediately close it and start the vna and it won't work until I power off for some minutes.

If I run the vna, I seem to be able to close the software and re open it (vna only) indefinitely without a problem. It only goes wrong if I run Quisk or QtRadio in between.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Hi Graeme,
> This may not have anything to do with the problem but I don't like
> components getting any hotter than I can avoid
>
> Having made up a crude-ish aluminium case for the HiQSDR I noticed the
> top was getting quite warm above the FPGA so I've placed a 2" x 2" 12V
> DC fan run at +6V mounted on top of the case above the FPGA and I never
> feel any warmth from the exhaust air.
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> At one stage I was thinking of sticking a heatsink on to the FPGA as
> some of the HPSDR guys have done for the Hermes FPGA and ADC.
> 73 ... Sid.
>
> On 05/01/13 07:15, zl2apv wrote:
> >
> > Hi All,
> >
> > When I first switch on my HiQSDR and run the VNA software it works
> > flawlessly and will run indefinately (well I have run it for about 14
> > hours at a stretch) but if I close down the vna software and restart
> > it it simply won't communicate with the HiQSDR.
> >
> > I can start Quisk and that works fine on both Rx and Tx but until I
> > have turned off the HiQSDR and left it for a while I can't run the vna.
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> > It has been like this from the day I got the board and I am wondering
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> > 73 Graeme ZL2APV
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> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

798. Re: HiQSDR VNA problem

Yahoo group: n2adr-sdr
Date: 2013-01-05 21:22:16 UTC
From: zl2apv
Topic: 795 Message: 798

Whoops I should have mentioned that I take it that you can flip back and forth between Quisk and vna-Quisk with no problems?

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "zl2apv" wrote:
>
> Hi Sid,
>
> I absolutely agree on the heatsink stuff. I am screwing the HiQSDR heat block to a 3 mm Al extrusion with fins screwed to it as part of the case and yes I have a cpu heat sink to go onto the fpga. Probably an overkill but I feel the same as you about cooling and my intention is to have the radio running permanently 24/7 so it needs things stacked in its favor.
>
> The strange behaviour happens with negligible heating i.e. I can switch on and run the vna for 10 seconds or so, close down the vna and open quisk, immediately close it and start the vna and it won't work until I power off for some minutes.
>
> If I run the vna, I seem to be able to close the software and re open it (vna only) indefinitely without a problem. It only goes wrong if I run Quisk or QtRadio in between.
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
> >
> > Hi Graeme,
> > This may not have anything to do with the problem but I don't like
> > components getting any hotter than I can avoid
> >
> > Having made up a crude-ish aluminium case for the HiQSDR I noticed the
> > top was getting quite warm above the FPGA so I've placed a 2" x 2" 12V
> > DC fan run at +6V mounted on top of the case above the FPGA and I never
> > feel any warmth from the exhaust air.
> >
> > At one stage I was thinking of sticking a heatsink on to the FPGA as
> > some of the HPSDR guys have done for the Hermes FPGA and ADC.
> > 73 ... Sid.
> >
> > On 05/01/13 07:15, zl2apv wrote:
> > >
> > > Hi All,
> > >
> > > When I first switch on my HiQSDR and run the VNA software it works
> > > flawlessly and will run indefinately (well I have run it for about 14

> > > hours at a stretch) but if I close down the vna software and restart
> > > it it simply won't communicate with the HiQSDR.
> > >
> > > I can start Quisk and that works fine on both Rx and Tx but until I
> > > have turned off the HiQSDR and left it for a while I can't run the vna.
> > >
> > > It seems heat related?? with having to leave it for a while but that
> > > does not entirely stack up as the vna runs continuously once going.
> > >
> > > It has been like this from the day I got the board and I am wondering
> > > if it is just my board or a "feature". I would certainly appreciate
> > > any help I can get.
> > >
> > > 73 Graeme ZL2APV
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
>

799. Re: [n2adr-sdr] Re: HiQSDR VNA problem

Yahoo group: n2adr-sdr
Date: 2013-01-05 22:11:24 UTC
From: Sid Boyce
Topic: 795 Message: 799

So it looks like a problem with standalone qvna.

I did think of heatsinking the heat block but went for the fan instead
as it keeps all chips cool.

I have to fashion a heatsink for the MPPA though I have one from a dead
10W PA, one that was working probably 2 decades ago but when I tried it,
adjusting the bias had no effect.
73 ... Sid.

On 05/01/13 21:22, zl2apv wrote:
>
> Whoops I should have mentioned that I take it that you can flip back
> and forth between Quisk and vna-Quisk with no problems?
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "zl2apv" wrote:
> >
> > Hi Sid,
> >
> > I absolutely agree on the heatsink stuff. I am screwing the HiQSDR
> heat block to a 3 mm Al extrusion with fins screwed to it as part of
> the case and yes I have a cpu heat sink to go onto the fpga. Probably
> an overkill but I feel the same as you about cooling and my intention
> is to have the radio running permanently 24/7 so it needs things
> stacked in its favor.
> >
> > The strange behaviour happens with negligible heating i.e. I can
> switch on and run the vna for 10 seconds or so, close down the vna and
> open quisk, immediately close it and start the vna and it won't work
> until I power off for some minutes.
> >
> > If I run the vna, I seem to be able to close the software and re
> open it (vna only) indefinitely without a problem. It only goes wrong
> if I run Quisk or QtRadio in between.
> >
> > 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, Sid Boyce wrote:
> > >
> > > Hi Graeme,
> > > This may not have anything to do with the problem but I don't like
> > > components getting any hotter than I can avoid

> > >
> > > Having made up a crude-ish aluminium case for the HiQSDR I noticed
> the
> > > top was getting quite warm above the FPGA so I've placed a 2" x 2"
> 12V
> > > DC fan run at +6V mounted on top of the case above the FPGA and I
> never
> > > feel any warmth from the exhaust air.
> > >
> > > At one stage I was thinking of sticking a heatsink on to the FPGA as
> > > some of the HPSDR guys have done for the Hermes FPGA and ADC.
> > > 73 ... Sid.
> > >
> > > On 05/01/13 07:15, zl2apv wrote:
> > > >
> > > > Hi All,
> > > >
> > > > When I first switch on my HiQSDR and run the VNA software it works
> > > > flawlessly and will run indefinately (well I have run it for
> about 14
> > > > hours at a stretch) but if I close down the vna software and
> restart
> > > > it it simply won't communicate with the HiQSDR.
> > > >
> > > > I can start Quisk and that works fine on both Rx and Tx but until I
> > > > have turned off the HiQSDR and left it for a while I can't run
> the vna.
> > > >
> > > > It seems heat related?? with having to leave it for a while but
> that
> > > > does not entirely stack up as the vna runs continuously once going.
> > > >
> > > > It has been like this from the day I got the board and I am
> wondering
> > > > if it is just my board or a "feature". I would certainly appreciate
> > > > any help I can get.
> > > >
> > > > 73 Graeme ZL2APV
> > > >
> > > >
> > > >
> > > >
> > > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
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>

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800. Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-13 23:16:14 UTC
From: Sid Boyce
Topic: 800 Message: 800

Hi Mario,
As you are building the Preselector it would be interesting to know what
the voltage readings are from R51 to GND.

I am seeing +3.29V at the X2 end and +0.29V at the other end which
causes the FDX LED to be permanently ON and that inhibits PTT from working.

I get the same even with the cable to X1 on the HiQSDR disconnected.
Thanks.
73 ... Sid.

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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801. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-14 17:59:35 UTC
From: Mario
Topic: 800 Message: 801

Hi Sid,

sorry i am not finished yet with the Preselector. I will inform you as far as i assembled the last parts.
Oliver also already assembled the PCB. Probably he can give you the answer faster.

regards
Mario

802. Re: [n2adr-sdr] Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-14 19:20:23 UTC
From: Helmut Göbkes
Topic: 800 Message: 802

Hi Sid,

the X2 side of R51 is connected to +3.3V at HiQSDR, so if you have connection to hiqsdr this pin must have 3.3´V, so your reading is correct.
If you disconnect HiQSDR, the voltage on X2, Pin9 is undefined, so the voltage reading is undefined or irrelevant,
so all measurments are valid with hiqsdr connected.

If you measure the other side of R51, the voltage depends on the signal level on PIN56 of FPGA.

The Input on X2, pin7 of Preselector is a hi impedance imnput and should be floating if X2 is open, because
there is no further connection (R51 is also floatin, because it is not connected to X2 Pin9.

If this pin is stuck to GND, the capacitor network CN3 (Pin8) is defective (short to GND) or IC7 is damaged.
If X2, Pin 7 is not stuck to GND, maybe the PIN56 @ FPGA is programmed to GND. THis bin have to be Hi-Impedance
(floating) or programmed HIGH (!)

To test a PIN for floating or high impedance, a normal Voltmeter is not sufficient!
Best ist to drive the pin via a resistor to 3.3V (10kOhm as example) and measure then. Now the
voltage should also nearly the 3.3V.
Best is to inspect the input with a 3.3V-compatible
CMOS Pin Tester who shows the signal level directly or use an oscilloscope.

best regards,
helmut

From: Sid Boyce
Sent: Monday, January 14, 2013 12:16 AM
To: Mario
Cc: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Preselector problem

Hi Mario,
As you are building the Preselector it would be interesting to know what
the voltage readings are from R51 to GND.

I am seeing +3.29V at the X2 end and +0.29V at the other end which
causes the FDX LED to be permanently ON and that inhibits PTT from working.

I get the same even with the cable to X1 on the HiQSDR disconnected.
Thanks.

73 ... Sid.

--
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803. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-15 02:01:38 UTC
From: Sid Boyce
Topic: 800 Message: 803

OK Mario.
Helmut has given me some more information.
73 ... Sid.

On 14/01/13 17:59, Mario wrote:
>
> Hi Sid,
>
> sorry i am not finished yet with the Preselector. I will inform you as
> far as i assembled the last parts.
> Oliver also already assembled the PCB. Probably he can give you the
> answer faster.
>
> regards
> Mario
>
>

--
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804. Re: [n2adr-sdr] Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-15 02:09:20 UTC
From: Sid Boyce
Topic: 800 Message: 804

Thanks Helmut.
I had been using a DVM so I'll see what I get on the scope tomorrow.
73 ... Sid.

On 14/01/13 19:20, Helmut G?bkes wrote:
>
> Hi Sid,
> the X2 side of R51 is connected to +3.3V at HiQSDR, so if you have
> connection to hiqsdr
> this pin must have 3.3?V, so your reading is correct.
> If you disconnect HiQSDR, the voltage on X2, Pin9 is undefined, so the
> voltage reading is undefined or irrelevant,
> so all measurments are valid with hiqsdr connected.
> If you measure the other side of R51, the voltage depends on the
> signal level on PIN56 of FPGA.
> The Input on X2, pin7 of Preselector is a hi impedance imnput and
> should be floating if X2 is open, because
> there is no further connection (R51 is also floatin, because it is not
> connected to X2 Pin9.
> If this pin is stuck to GND, the capacitor network CN3 (Pin8) is
> defective (short to GND) or IC7 is damaged.
> If X2, Pin 7 is not stuck to GND, maybe the PIN56 @ FPGA is
> programmed to GND. THis bin have to be Hi-Impedance
> (floating) or programmed HIGH (!)
> To test a PIN for floating or high impedance, a normal Voltmeter is
> not sufficient!
> Best ist to drive the pin via a resistor to 3.3V (10kOhm as example)
> and measure then. Now the
> voltage should also nearly the 3.3V.
> Best is to inspect the input with a 3.3V-compatible
> CMOS Pin Tester who shows the signal level directly or use an
> oscilloscope.
> best regards,
> helmut
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Monday, January 14, 2013 12:16 AM
> *To:* Mario <mailto:dh5ym@...>
> *Cc:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector problem
>
> Hi Mario,
> As you are building the Preselector it would be interesting to know what
> the voltage readings are from R51 to GND.
>

> I am seeing +3.29V at the X2 end and +0.29V at the other end which
> causes the FDX LED to be permanently ON and that inhibits PTT from
> working.
>
> I get the same even with the cable to X1 on the HiQSDR disconnected.
> Thanks.
> 73 ... Sid.
>
> --
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>

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805. New Quisk 3.6.6

Yahoo group: n2adr-sdr
Date: 2013-01-20 01:23:05 UTC
From: jimahlstrom
Topic: 805 Message: 805

Quisk Version 3.6.6 January 2013

I corrected the frequency measurement feature so it works with RIT. This feature was successfully
verified in the November 2012 ARRL Frequency Measurement Test. I fixed a bug in Fldigi frequency
control thanks to Hubert, DG7MGY.

The config file has a new parameter mouse_wheelmod to control the mouse wheel sensitivity. Thanks to DG7MGY for the patch.

I changed the digital filters so they have a bandwidth up to 20 ksps. This accommodates more digital modes.
There are now three digital modes: DGT-U and DGT-L decode the audio as upper or lower sideband. The old
DGTL mode is now DGT-U. The mode DGT-IQ does not decode. It sends the I/Q samples directly to the
sound card device. It is interesting to listen to the DGT-IQ signal, as it provides binaural reception.
Also, the PTT can be controlled by either Quisk or Fldigi, not just by Quisk.

There is a new tab on the Config screen where you can enter the frequencies and modes for favorite
stations. This can be used to list and tune to repeaters or nets. The page works like a spreadsheet.
Fill in the rows with an arbitrary name, the frequency as integer Hertz or decimal megahertz, the mode and
an arbitrary description. Right click on the left row label for a popup menu that allows you tune to that
row. Thanks to Brian KF7WPK for suggesting this feature.

Jim N2ADR

806. RE: [n2adr-sdr] New Quisk 3.6.6

Yahoo group: n2adr-sdr
Date: 2013-01-20 02:34:03 UTC
From: MIKE DURKIN
Topic: 805 Message: 806

Sounds super !!!!

Has anyone asked about what it would take to get Quisk to run on an Arm7(quad core) ?

Mike KC7NOA

To: n2adr-sdr@yahoogroups.com
From: jahlstr@...
Date: Sun, 20 Jan 2013 01:23:05 +0000
Subject: [n2adr-sdr] New Quisk 3.6.6

Quisk Version 3.6.6 January 2013

I corrected the frequency measurement feature so it works with RIT. This feature was successfully

verified in the November 2012 ARRL Frequency Measurement Test. I fixed a bug in Fldigi frequency

control thanks to Hubert, DG7MGY.

The config file has a new parameter mouse_wheelmod to control the mouse wheel

sensitivity. Thanks to DG7MGY for the patch.

I changed the digital filters so they have a bandwidth up to 20 ksps. This accommodates more digital modes.

There are now three digital modes: DGT-U and DGT-L decode the audio as upper or lower sideband. The old

DGTL mode is now DGT-U. The mode DGT-IQ does not decode. It sends the I/Q samples directly to the

sound card device. It is interesting to listen to the DGT-IQ signal, as it provides binaural reception.

Also, the PTT can be controlled by either Quisk or Fldigi, not just by Quisk.

There is a new tab on the Config screen where you can enter the frequencies and modes for favorite

stations. This can be used to list and tune to repeaters or nets. The page works like a spreadsheet.

Fill in the rows with an arbitrary name, the frequency as integer Hertz or decimal megahertz, the mode and

an arbitrary description. Right click on the left row label for a popup menu that allows you tune to that

row. Thanks to Brian KF7WPK for suggesting this feature.

Jim N2ADR

807. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk (ODROID-X)

Yahoo group: n2adr-sdr
Date: 2013-01-20 02:47:04 UTC
From: Sid Boyce
Topic: 732 Message: 807

Hi Mike,
My experience with quisk and ODROID-X.

Jim suggested video handling is the resource hog.

I installed the mali400 driver from the repository but it failed to work, mali400_dri missing.
I also had a brief look at building the mali400 driver from source, no luck there.

From the Ubuntu repository.
---
mali400 - Mali implementation of OpenGL ES, OpenVG and EGL for Snowball boards
xf86-video-mali - X.Org X server -- STE chipsets display driver

73 ... Sid.

On 22/11/12 02:21, Sid Boyce wrote:
>
> Some Progress, changed quisk.py
> from
> bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
>
> To
> bmp = wx.BitmapFromBufferRGBA(len(row) / 4, 1, row)
>
> That's the display problem fixed - but graph and waterfall very jerky.
>
> Getting blotches of sound heavily modulated by what sounds like
> horses trotting even at 48K samplerate while there is no problem with
> QtRadio at 480K samplerate probably because quisk is mainly written in
> python and ARM seems not to be able to handle it, even with a Quad
> core 1.4GHz CPU, 1G of memory and 3G of swap.
> 73 ... Sid.
>
> On 19/11/12 12:52, Sid Boyce wrote:
>>
>> Hi Mario,
>> The ODROID-X is a quad core ARM A9 embedded board.
>>
>> It is running Ubuntu 12.10 so I'll post a query to the odroid and
>> Ubuntu ARM forums.
>> The different levels for 12.10 on each:-
>> ARM
>> ---

>> ii python-wxgtk2.8 2.8.12.1-6ubuntu2
>>
>> x86_64
>> ---------
>> ii python-wxgtk2.8 2.8.12.1-11ubuntu3
>>
>> There could be differences between the source from which each was built.
>> 73 ... Sid.
>>
>> On 19/11/12 07:19, Mario wrote:
>>>
>>> Hi Sid,
>>>
>>> from the trace i think thats a problem with withing python-wxgtk
>>> itself. At least if i understand it correct with my limited
>>> programming skills.
>>>
>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
>>> > 856, in BitmapFromBuffer
>>> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
>>> > RuntimeError: Failed to gain raw access to bitmap data.
>>>
>>> What plattform is the ODROID-X ? Probably there is already a bug
>>> report or a patch there.
>>>
>>> regards
>>> Mario
>>>
>>> --- In n2adr-sdr@yahoogroups.com
>>> <mailto:n2adr-sdr%40yahoogroups.com>, Sid Boyce <g3vbv@...> wrote:
>>> >
>>> > I don't have that problem on the x86_64 but I thought it might have
>>> > fixed the problem on the ODROID-X which it doesn't.
>>> > RuntimeError: Failed to gain raw access to bitmap data.
>>> > Traceback (most recent call last):
>>> > File
>>> >
>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
>>> line
>>> > 14665, in <lambda>
>>> > lambda event: event.callable(*event.args, **event.kw))
>>> > File "quisk.py", line 3090, in OnReadSound
>>> > self.waterfall.OnGraphData(data) # save waterfall data
>>> > File "quisk.py", line 1388, in OnGraphData
>>> > self.pane2.OnGraphData(data)
>>> > File "quisk.py", line 1416, in OnGraphData
>>> > self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
>>> > File "quisk.py", line 1329, in OnGraphData
>>> > bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
>>> > File

```
>>> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py",
>>> line
>>> > 856, in BitmapFromBuffer
>>> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
>>> > RuntimeError: Failed to gain raw access to bitmap data.
>>> > Traceback (most recent call last):
>>> > File
>>> >
>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
>>> line
>>> > 14665, in <lambda>
>>> > lambda event: event.callable(*event.args, **event.kw) )
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>>> > self.waterfall.OnGraphData(data) # save waterfall data
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>>> > self.pane2.OnGraphData(data)
>>> > File "quisk.py", line 1416, in OnGraphData
>>> > self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
>>> > File "quisk.py", line 1329, in OnGraphData
>>> > bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
>>> > File
>>> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py",
>>> line
>>> > 856, in BitmapFromBuffer
>>> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
>>> > RuntimeError: Failed to gain raw access to bitmap data.
>>> > Traceback (most recent call last):
>>> > File
>>> >
>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
>>> line
>>> > 14665, in <lambda>
>>> > lambda event: event.callable(*event.args, **event.kw) )
>>> > File "quisk.py", line 3090, in OnReadSound
>>> >
>>> > root@ODROID-X_G3VBV:/opt/quisk-3.6.5# dpkg -l|grep wx
>>> > ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase
>>> > library (runtime) - non-GUI support classes of wxWidgets toolkit
>>> > ii libwxbase2.8-0 2.8.12.1-6ubuntu2 wxBase
>>> > library (runtime) - non-GUI support classes of wxWidgets toolkit
>>> > ii libwxbase2.8-dev 2.8.12.1-6ubuntu2 wxBase
>>> > library (development) - non-GUI support classes of wxWidgets toolkit
>>> > ii libwxgtk2.6-0 2.6.3.2.2-5ubuntu4 wxWidgets
>>> > Cross-platform C++ GUI toolkit (GTK+ runtime)
>>> > ii libwxgtk2.8-0 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (GTK+ runtime)
>>> > ii libwxgtk2.8-dev 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (GTK+ development)
>>> > ii python-pythoncard 0.8.2-2
>>> > wxPython-based GUI construction framework (underlying Python
```

>>> libraries)
>>> > ii python-wxgtk2.8 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (wxPython binding)
>>> > ii python-wxtools 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (wxPython common files)
>>> > ii python-wxversion 2.8.12.1-6ubuntu2
>>> > wxWidgets Cross-platform C++ GUI toolkit (wxPython version selector)
>>> > ii wx-common 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (common support files)
>>> > ii wx2.8-headers 2.8.12.1-6ubuntu2 wxWidgets
>>> > Cross-platform C++ GUI toolkit (header files)
>>> >
>>> > 73 ... Sid.
>>> > On 18/11/12 20:21, Mario wrote:
>>> > >
>>> > > On my laptop with Ubuntu 12.04 LTS i have a issue that quisk 3.6.5
>>> > > does not start. It complains about missing python-wxgtk although
>>> > > python-wxgtk2.8 is installed.
>>> > > Obviously python tries to import another version.
>>> > > There is a method to force python to use version 2.8.
>>> > > In quisk.py before the line with "import wx"
>>> > > two lines need to be added:
>>> > > "import wxversion" and
>>> > > "wxversion.select('2.8')"
>>> > > After that Quisk started on my laptop. On my Ubuntu12.10 x64 system
>>> > > this was not necessary.
>>> > > Just in case someone else has the same issue.
>>> > >
>>> > > regards
>>> > > Mario
>>> > >
>>> > >
>>> >
>>> >
>>>
>>
>>
>> -
>

--
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

808. RE: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk (ODROID-X)

Yahoo group: n2adr-sdr
Date: 2013-01-20 17:58:29 UTC
From: MIKE DURKIN
Topic: 732 Message: 808

So .. the wait is on for Samsung to release a SDK for the Mali400 Quad core ....

Sucks that their is a 433Mhz Quad GPU that's basically useless at the moment ....

i probably would of bought a cheap dual/quad intel/AMD from the bay with a good internal soundcard if i knew i would wait a year for a video driver from Samsung.

Quisk is still my Fav ubuntu software ....

Mike KC7NOA

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Sun, 20 Jan 2013 02:47:04 +0000
Subject: Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk (ODROID-X)

Hi Mike,

My experience with quisk and ODROID-X.

Jim suggested video handling is the resource hog.

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to work, mali400_dri missing.

I also had a brief look at building the mali400 driver from
source, no luck there.

From the Ubuntu repository.

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mali400 - Mali implementation of OpenGL ES, OpenVG and EGL for
Snowball boards

xf86-video-mali - X.Org X server -- STE chipsets display driver

73 ... Sid.

On 22/11/12 02:21, Sid Boyce wrote:

Some Progress, changed quisk.py

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bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)

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very jerky.

Getting blotches of sound heavily modulated by what
sounds like horses trotting even at 48K samplerate while
there is no problem with QtRadio at 480K samplerate
probably because quisk is mainly written in python and ARM
seems not to be able to handle it, even with a Quad core
1.4GHz CPU, 1G of memory and 3G of swap.

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On 19/11/12 12:52, Sid Boyce wrote:

Hi Mario,

The ODROID-X is a quad core ARM A9 embedded board.

It is running Ubuntu 12.10 so I'll post a query to the
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The different levels for 12.10 on each:-

ARM

---

ii python-wxgtk2.8
2.8.12.1-6ubuntu2

x86_64

---

ii python-wxgtk2.8
2.8.12.1-11ubuntu3

There could be differences between the source from
which each was built.

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On 19/11/12 07:19, Mario wrote:

Hi Sid,

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skills.

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> return _gdi_._BitmapFromBuffer(width, height,
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> RuntimeError: Failed to gain raw access to
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What plattform is the ODROID-X ? Probably there is
already a bug report or a patch there.

regards

Mario

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> root@ODROID-X_G3VBV:/opt/quisk-3.6.5#
dpkg -l|grep wx

> ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase

> library (runtime) - non-GUI support classes
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> > this was not necessary.

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issue.

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> > regards

> > Mario

> >

> >

>

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-

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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809. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk (ODROID-X)

Yahoo group: n2adr-sdr
Date: 2013-01-20 18:41:47 UTC
From: Sid Boyce
Topic: 732 Message: 809

Corporations are not known for being that reactive.
Moments ago on the google-earth forum a guy posted he was having a
problem on Fedora 17 just like the one reported on openSUSE.

All it would take is a recompile with a different library but it has
been at least 4 weeks with no resolution.

The attraction of the ODROID-X is the size/performance ratio.

The code is out there but seems incomplete.
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

810. Re: New Quisk 3.6.6

Yahoo group: n2adr-sdr
Date: 2013-01-20 19:09:08 UTC
From: Mario
Topic: 805 Message: 810

Hi Jim,

many thanks for the new release !
I had no time to try in detail so far. Just noticed one thing.
Could you add selection of the correct wx version to one of the future version of quisk ?
On my Ubuntu Laptop i had to add

```
import wxversion
wxversion.select('2.8')
```

to quisk.py before the line that imports wx.

Many many thanks for adding the DTLIQ output mode ! Thats really a helpful feature.

regards
Mario

811. Re: New Quisk 3.6.6

Yahoo group: n2adr-sdr
Date: 2013-01-20 20:09:25 UTC
From: Hubert
Topic: 805 Message: 811

Hello Jim,
also from me many thanks for this new version.
Today Herbert DG3MDE have tested it with Windows and Fldigi
on my linux system it works also well in digitalmode and Fldigi.

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" wrote:
>
> Quisk Version 3.6.6 January 2013
>
> I corrected the frequency measurement feature so it works with RIT. This feature was successfully
> verified in the November 2012 ARRL Frequency Measurement Test. I fixed a bug in Fldigi frequency
> control thanks to Hubert, DG7MGY.
>
> The config file has a new parameter mouse_wheelmod to control the mouse wheel
> sensitivity. Thanks to DG7MGY for the patch.
>
> I changed the digital filters so they have a bandwidth up to 20 ksps. This accommodates more digital modes.
> There are now three digital modes: DGT-U and DGT-L decode the audio as upper or lower sideband. The old
> DGTL mode is now DGT-U. The mode DGT-IQ does not decode. It sends the I/Q samples directly to the
> sound card device. It is interesting to listen to the DGT-IQ signal, as it provides binaural reception.
> Also, the PTT can be controlled by either Quisk or Fldigi, not just by Quisk.
>
> There is a new tab on the Config screen where you can enter the frequencies and modes for favorite
> stations. This can be used to list and tune to repeaters or nets. The page works like a spreadsheet.
> Fill in the rows with an arbitrary name, the frequency as integer Hertz or decimal megahertz, the mode and
> an arbitrary description. Right click on the left row label for a popup menu that allows you tune to that
> row. Thanks to Brian KF7WPK for suggesting this feature.
>
> Jim N2ADR
>

812. Re: New Quisk 3.6.6

Yahoo group: n2adr-sdr
Date: 2013-01-21 16:51:24 UTC
From: jimahlstrom
Topic: 805 Message: 812

Hello Mario,

I will add this to the next release.

Jim
N2ADR

--- In n2adr-sdr@yahoogroups.com, "Mario" wrote:
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> On my Ubuntu Laptop i had to add
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> import wxversion
> wxversion.select('2.8')

813. Re: [n2adr-sdr] Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-21 19:27:53 UTC
From: Sid Boyce
Topic: 800 Message: 813

Hi Helmut,
HP 1725A Scope measurements with 10x probe 0.1V range DC. Ribbon cable connected between HiQSDR and Preselector.
R51/X2-pin 9 +3.3V

R51/X2-pin7 +0.3V

U7-12 +0.3V

U7-8 0V

U7-1/19 0V

U7-20 +4.5V

+3.3V --> 10K --> U7-12 (+0.5V) and FDX LED still on.

+3.3V --> 10K --> U7-12 with ribbon cable disconnected FDX LED still on.

Resistance U7-12 to GND 898 ohms with power off of course.

I have some 74HCT245M chips from RS Components if you agree U7 is most likely.

73 ... Sid.

On 14/01/13 19:20, Helmut G?bkes wrote:
>
> Hi Sid,
> the X2 side of R51 is connected to +3.3V at HiQSDR, so if you have
> connection to hiqsdr
> this pin must have 3.3?V, so your reading is correct.
> If you disconnect HiQSDR, the voltage on X2, Pin9 is undefined, so the
> voltage reading is undefined or irrelevant,
> so all measurments are valid with hiqsdr connected.
> If you measure the other side of R51, the voltage depends on the
> signal level on PIN56 of FPGA.
> The Input on X2, pin7 of Preselector is a hi impedance imnput and
> should be floating if X2 is open, because
> there is no further connection (R51 is also floatin, because it is not
> connected to X2 Pin9.
> If this pin is stuck to GND, the capacitor network CN3 (Pin8) is
> defective (short to GND) or IC7 is damaged.
> If X2, Pin 7 is not stuck to GND, maybe the PIN56 @ FPGA is
> programmed to GND. THis bin have to be Hi-Impedance
> (floating) or programmed HIGH (!)
> To test a PIN for floating or high impedance, a normal Voltmeter is
> not sufficient!

> Best ist to drive the pin via a resistor to 3.3V (10kOhm as example)
> and measure then. Now the
> voltage should also nearly the 3.3V.
> Best is to inspect the input with a 3.3V-compatible
> CMOS Pin Tester who shows the signal level directly or use an
> oscilloscope.
> best regards,
> helmut
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Monday, January 14, 2013 12:16 AM
> *To:* Mario <mailto:dh5ym@...>
> *Cc:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Preselector problem
>
> Hi Mario,
> As you are building the Preselector it would be interesting to know what
> the voltage readings are from R51 to GND.
>
> I am seeing +3.29V at the X2 end and +0.29V at the other end which
> causes the FDX LED to be permanently ON and that inhibits PTT from
> working.
>
> I get the same even with the cable to X1 on the HiQSDR disconnected.
> Thanks.
> 73 ... Sid.
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> --
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814. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-25 07:57:44 UTC
From: Mario
Topic: 800 Message: 814

Hi Sid,

yesterday evening i had some time to try the preselector board.
I see a similar problem than Sid with my board but probably it has a different cause.

I just plugged the filter boards which do not have toroids assembled yet. I just want to see which bandfilter module is selected.
The bandfilters are switching fine out of quisk as well as teh preamplifier LED.
The FDX LED is always on. No switching if i press FDX or PTT.

This morning i debugged a bit further.
If i disconnect the cable towards the Hiqsdr i see that i can switch the FDX function on and of by pulling the CCTX signal 3.3V and GND.
Low means FDX=on, 3.3V means FDX=off as far as i understand.
This lets me assume that the Preselector is working properly.

Then i checked the state of CCTX on the frontend board with the Preselector disconnected.
It seems that the pin is always driving low (or pulled low) regardless what setting i use for FDX in QUISK.
In difference to the preselector pins were i read really 0V in Low state i see around 50mV at the CCTX pin. But if i try to pull the pin up via 1kOhm thats not working.

Finally this lets me assume that i either have a problem with the FPGA pin (which is unlikely since all the others are working properly) or i have some difference in the FPGA image. (i think i use 1.3-sg).

Next step would be to investigate why the CCTX pin is always in that state.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
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> Hi Helmut,
> HP 1725A Scope measurements with 10x probe 0.1V range DC. Ribbon cable
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> R51/X2-pin 9 +3.3V
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> Resistance U7-12 to GND 898 ohms with power off of course.
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> I have some 74HCT245M chips from RS Components if you agree U7 is most
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> > *Sent:* Monday, January 14, 2013 12:16 AM
> > *To:* Mario
> > *Cc:* n2adr-sdr@yahoogroups.com
> > *Subject:* [n2adr-sdr] Preselector problem
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815. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-25 12:04:54 UTC
From: Sid Boyce
Topic: 800 Message: 815

I am using fpga_ver3-sg1.1.tgz.

In my case disconnecting the cable and applying +3.3V via 10K to U7 pin 12 does not turn off the FDX LED.

This suggests that there is either a faulty Preselector U7, RN5 or CN3.

With power off U7-12 to GND measures 898 ohms but there may be a component breakdown when power is applied.

Band switching works fine.

At the moment using QtRadio there is a separate panel for band switching and the nice thing about that is the ability to see the excellent effect of having a filter switched in for one band with a different band selected in QtRadio.
However, automatic switching of filters with band selection has been discussed and no doubt Graeme is beavering away at it.
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On 25/01/13 07:57, Mario wrote:
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> I see a similar problem than Sid with my board but probably it has a
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816. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-25 21:26:41 UTC
From: zl2apv
Topic: 800 Message: 816

The auto switching is on the back-burner for a little while longer as I get my preselector finished. I should be started on it in the next week or two and have had a preliminary look at the code and see that Andrea has already done so much and obviously looked to the future to make it easy to hook in auto switching. I have followed your problems with the preselector but am not able to help as I am rolling my own.

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817. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-26 00:03:16 UTC
From: Sid Boyce
Topic: 800 Message: 817

Thanks Graeme,
I know you are rolling your own.
As it appears to be a component on the Preselector, I'll get to it.

Doing some calculations this evening +3.3V through 10K in series with 1K (898 ohms), at the junction of the 2 resistors and U7-12 is ~+0.3V which is what I am seeing.

As I have the IC, replacing U7 will be the easiest place to start.
If that's not it, I'll have to get replacements for RN5 and CN3.
73 ... Sid.

On 25/01/13 21:26, zl2apv wrote:
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> I get my preselector finished. I should be started on it in the next
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> > > > > causes the FDX LED to be permanently ON and that inhibits PTT from
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> > > > > I get the same even with the cable to X1 on the HiQSDR
> disconnected.
> > > > > Thanks.
> > > > > 73 ... Sid.
> > > > >
> > > > > --
> > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
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818. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-26 12:45:17 UTC
From: Mario
Topic: 800 Message: 818

Hi Sid,

i agree. If you cannot switch the FDX function by pulling the CCTX signal manually there must be a defect in your hardware.
You should go ahead there. I will meanwhile investigate whats going on in the frontend and why the CCTX signal is pulled low although in the FPGA pin configuration its set to input with weak pullup.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Thanks Graeme,
> I know you are rolling your own.
> As it appears to be a component on the Preselector, I'll get to it.
>
> Doing some calculations this evening +3.3V through 10K in series with 1K
> (898 ohms), at the junction of the 2 resistors and U7-12 is ~+0.3V which
> is what I am seeing.
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> As I have the IC, replacing U7 will be the easiest place to start.
> If that's not it, I'll have to get replacements for RN5 and CN3.
> 73 ... Sid.
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> > I get my preselector finished. I should be started on it in the next
> > week or two and have had a preliminary look at the code and see that
> > Andrea has already done so much and obviously looked to the future to
> > make it easy to hook in auto switching. I have followed your problems
> > with the preselector but am not able to help as I am rolling my own.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com ,
> > Sid Boyce wrote:
> > >
> > > I am using fpga_ver3-sg1.1.tgz.
> > >
> > > In my case disconnecting the cable and applying +3.3V via 10K to U7 pin
> > > 12 does not turn off the FDX LED.
> > >
> > > This suggests that there is either a faulty Preselector U7, RN5 or CN3.
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> > > With power off U7-12 to GND measures 898 ohms but there may be a
> > > component breakdown when power is applied.
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> > > At the moment using QtRadio there is a separate panel for band
> > switching
> > > and the nice thing about that is the ability to see the excellent
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> > > of having a filter switched in for one band with a different band
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> > > However, automatic switching of filters with band selection has been
> > > discussed and no doubt Graeme is beavering away at it.
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> > >
> > > On 25/01/13 07:57, Mario wrote:
> > > >
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> > > >
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> > > > I see a similar problem than Sid with my board but probably it has a
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> > > > preamplifier LED.
> > > > The FDX LED is always on. No switching if i press FDX or PTT.
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> > > > If i disconnect the cable towards the Hiqsdr i see that i can switch
> > > > the FDX function on and of by pulling the CCTX signal 3.3V and GND.
> > > > Low means FDX=on, 3.3V means FDX=off as far as i understand.
> > > > This lets me assume that the Preselector is working properly.
> > > >
> > > > Then i checked the state of CCTX on the frontend board with the
> > > > Preselector disconnected. It seems that the pin is always driving low
> > > > (or pulled low) regardless what setting i use for FDX in QUISK.
> > > > In difference to the preselector pins were i read really 0V in Low
> > > > state i see around 50mV at the CCTX pin. But if i try to pull the pin
> > > > up via 1kOhm thats not working.
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> > > > Finally this lets me assume that i either have a problem with the
> > FPGA
> > > > pin (which is unlikely since all the others are working properly)
> > or i
> > > > have some difference in the FPGA image. (i think i use 1.3-sg).
> > > >
> > > > Next step would be to investigate why the CCTX pin is always in that
> > > > state.

> > > >
> > > > regards
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> > > >
> > > > --- In n2adr-sdr@yahoogroups.com
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> > > > Sid Boyce wrote:
> > > > >
> > > > > Hi Helmut,
> > > > > HP 1725A Scope measurements with 10x probe 0.1V range DC. Ribbon
> > cable
> > > > > connected between HiQSDR and Preselector.
> > > > > R51/X2-pin 9 +3.3V
> > > > >
> > > > > R51/X2-pin7 +0.3V
> > > > >
> > > > > U7-12 +0.3V
> > > > >
> > > > > U7-8 0V
> > > > >
> > > > > U7-1/19 0V
> > > > >
> > > > > U7-20 +4.5V
> > > > >
> > > > > +3.3V --> 10K --> U7-12 (+0.5V) and FDX LED still on.
> > > > >
> > > > > +3.3V --> 10K --> U7-12 with ribbon cable disconnected FDX LED
> > still on.
> > > > >
> > > > > Resistance U7-12 to GND 898 ohms with power off of course.
> > > > >
> > > > > I have some 74HCT245M chips from RS Components if you agree U7
> > is most
> > > > > likely.
> > > > >
> > > > > 73 ... Sid.
> > > > >
> > > > >
> > > > > On 14/01/13 19:20, Helmut Göbkes wrote:
> > > > > >
> > > > > > Hi Sid,
> > > > > > the X2 side of R51 is connected to +3.3V at HiQSDR, so if you have
> > > > > > connection to hiqsdr
> > > > > > this pin must have 3.3´V, so your reading is correct.
> > > > > > If you disconnect HiQSDR, the voltage on X2, Pin9 is
> > undefined, so
> > > > the
> > > > > > voltage reading is undefined or irrelevant,
> > > > > > so all measurments are valid with hiqsdr connected.
> > > > > > If you measure the other side of R51, the voltage depends on the

> > > > > > signal level on PIN56 of FPGA.
> > > > > > The Input on X2, pin7 of Preselector is a hi impedance imnput and
> > > > > > should be floating if X2 is open, because
> > > > > > there is no further connection (R51 is also floatin, because
> > it is
> > > > not
> > > > > > connected to X2 Pin9.
> > > > > > If this pin is stuck to GND, the capacitor network CN3 (Pin8) is
> > > > > > defective (short to GND) or IC7 is damaged.
> > > > > > If X2, Pin 7 is not stuck to GND, maybe the PIN56 @ FPGA is
> > > > > > programmed to GND. THis bin have to be Hi-Impedance
> > > > > > (floating) or programmed HIGH (!)
> > > > > > To test a PIN for floating or high impedance, a normal
> > Voltmeter is
> > > > > > not sufficient!
> > > > > > Best ist to drive the pin via a resistor to 3.3V (10kOhm as
> > example)
> > > > > > and measure then. Now the
> > > > > > voltage should also nearly the 3.3V.
> > > > > > Best is to inspect the input with a 3.3V-compatible
> > > > > > CMOS Pin Tester who shows the signal level directly or use an
> > > > > > oscilloscope.
> > > > > > best regards,
> > > > > > helmut
> > > > > >
> > > > > > *From:* Sid Boyce
> > > > > > *Sent:* Monday, January 14, 2013 12:16 AM
> > > > > > *To:* Mario
> > > > > > *Cc:* n2adr-sdr@yahoogroups.com
> >
> > > > > > *Subject:* [n2adr-sdr] Preselector problem
> > > > > >
> > > > > > Hi Mario,
> > > > > > As you are building the Preselector it would be interesting to
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819. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-26 14:57:56 UTC
From: Sid Boyce
Topic: 800 Message: 819

Thanks Mario,
The first thing I'll do before changing U7 is to lift pin 12 to see if
the resistance across CN3 is much higher than 898 ohms.
73 ... Sid.

On 26/01/13 12:45, Mario wrote:
>
> Hi Sid,
>
> i agree. If you cannot switch the FDX function by pulling the CCTX
> signal manually there must be a defect in your hardware.
> You should go ahead there. I will meanwhile investigate whats going on
> in the frontend and why the CCTX signal is pulled low although in the
> FPGA pin configuration its set to input with weak pullup.
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
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> > > > > > > best regards,

> > > > > > > helmut
> > > > > > > >
> > > > > > > > *From:* Sid Boyce
> > > > > > > > *Sent:* Monday, January 14, 2013 12:16 AM
> > > > > > > > *To:* Mario
> > > > > > > > *Cc:* n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> > > >
> > > > > > > > *Subject:* [n2adr-sdr] Preselector problem
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> > > > > > > > Hi Mario,
> > > > > > > > As you are building the Preselector it would be interesting to
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820. update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-27 18:12:04 UTC
From: dl2stg
Topic: 820 Message: 820

Hi

after a long time there is an update for the fpga, gr-hiqsdr and qsdr.

For some experiments with width band modulation i have modified the fpga-image for support sample rates from 9600 up to 3840000. The higher rates are only available with 16 or 8 bit data width. This is a limitation of the 100Mbit network.

qsdr 0.9.9 is available with the following changes:

- Internal structure redesigned
- Reduced cpu consumption
- New concept for settings
- Second rx
- OsmoSDR supported
- WFM-stereo support with RDS
- DAB+ support (not ready)
- IQ-output to Soundcard
- Gnuradio 3.6.x
- Preselector support (untested)
- new RX-Samplerates up to 1920000 (16Bit) and 3860000 (8Bit) with new fpga

Is should run out of the box in Ubuntu 12.10, no need to translate gnuradio. Packages for 32 bit and 64 bit are available at http://dl2stg.de/stefan/hiqsdr/qsdr.html

821. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-27 21:24:32 UTC
From: Mario
Topic: 820 Message: 821

Hi Stefan,

sounds really interesting. The wideband stuff could be interesting for some experiments with DAB, DRM+ and such stuff.
What does the GR-DAB stuff exactly ? Is it just about synchronizing to a DAB signal or also DAB & DAB+ audio decoding ?
So far i did not see a AAC+ decoder suitable for DAB+ freely available.
When i fixed my issue with the CCTX signal i will try that.

regards
Mario

822. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-27 21:46:10 UTC
From: dl2stg
Topic: 820 Message: 822

Hi Mario,

the gr-dab package is fully functional with DAB+ (not with DAB!) and play the audio. I use the current libfaad to decode nearly all channels. In the patch directory is a file libfaad2-2.7.patch to make the data stream elements accessible from libfaad to decode data informations like radiotext. Only for some channels with 32k audiorate a resampling module to 48k is not yet integrated. The combine.py select the channel and decode the audio, the rx frequency is very critical for sync. As next step i will integrate the stuff in qsdr.

73
Stefan

libfaad2-2.7.patch
--- In n2adr-sdr@yahoogroups.com, "Mario" wrote:
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> Hi Stefan,
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> When i fixed my issue with the CCTX signal i will try that.
>
> regards
> Mario
>

823. Re: [n2adr-sdr] Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-27 23:20:26 UTC
From: Sid Boyce
Topic: 820 Message: 823

Hi Stefan,
Thanks for the upgrade stuff.
I had been trying to convert qsdr-0.9.5 for Qt5 but not completely succeeding so I'll try with 0.9.9b1.

gr-dab I'll have a look at as I've been studying your gr-hiqsdr after watching the gnuradio presentations at
http://arvideonews.com/hrn/HRN_Episode_0051.html
73 ... Sid.

On 27/01/13 21:46, dl2stg wrote:
>
>
>
> Hi Mario,
>
> the gr-dab package is fully functional with DAB+ (not with DAB!) and
> play the audio. I use the current libfaad to decode nearly all
> channels. In the patch directory is a file libfaad2-2.7.patch to make
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> 73
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824. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-27 23:23:54 UTC
From: Sid Boyce
Topic: 800 Message: 824

The resistance with U7 removed was still ~898 ohms.
Replacing U7 didn't solve my problem so RN5 or CN3 are suspects.
73 ... Sid.

On 26/01/13 14:57, Sid Boyce wrote:
>
> Thanks Mario,
> The first thing I'll do before changing U7 is to lift pin 12 to see if
> the resistance across CN3 is much higher than 898 ohms.
> 73 ... Sid.
>
> On 26/01/13 12:45, Mario wrote:
>>
>> Hi Sid,
>>
>> i agree. If you cannot switch the FDX function by pulling the CCTX
>> signal manually there must be a defect in your hardware.
>> You should go ahead there. I will meanwhile investigate whats going
>> on in the frontend and why the CCTX signal is pulled low although in
>> the FPGA pin configuration its set to input with weak pullup.
>>
>> regards
>> Mario
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, Sid Boyce wrote:
>> >
>> > Thanks Graeme,
>> > I know you are rolling your own.
>> > As it appears to be a component on the Preselector, I'll get to it.
>> >
>> > Doing some calculations this evening +3.3V through 10K in series
>> with 1K
>> > (898 ohms), at the junction of the 2 resistors and U7-12 is ~+0.3V
>> which
>> > is what I am seeing.
>> >
>> > As I have the IC, replacing U7 will be the easiest place to start.
>> > If that's not it, I'll have to get replacements for RN5 and CN3.
>> > 73 ... Sid.
>> >
>> > On 25/01/13 21:26, zl2apv wrote:
>> > >
>> > > The auto switching is on the back-burner for a little while
>> longer as

>> > > I get my preselector finished. I should be started on it in the next
>> > > week or two and have had a preliminary look at the code and see that
>> > > Andrea has already done so much and obviously looked to the
>> future to
>> > > make it easy to hook in auto switching. I have followed your
>> problems
>> > > with the preselector but am not able to help as I am rolling my own.
>> > >
>> > > 73 Graeme ZL2APV
>> > >
>> > > --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com> ,
>> > > Sid Boyce wrote:
>> > > >
>> > > > I am using fpga_ver3-sg1.1.tgz.
>> > > >
>> > > > In my case disconnecting the cable and applying +3.3V via 10K
>> to U7 pin
>> > > > 12 does not turn off the FDX LED.
>> > > >
>> > > > This suggests that there is either a faulty Preselector U7, RN5
>> or CN3.
>> > > >
>> > > > With power off U7-12 to GND measures 898 ohms but there may be a
>> > > > component breakdown when power is applied.
>> > > >
>> > > > Band switching works fine.
>> > > >
>> > > > At the moment using QtRadio there is a separate panel for band
>> > > switching
>> > > > and the nice thing about that is the ability to see the excellent
>> > > effect
>> > > > of having a filter switched in for one band with a different band
>> > > > selected in QtRadio.
>> > > > However, automatic switching of filters with band selection has
>> been
>> > > > discussed and no doubt Graeme is beavering away at it.
>> > > > 73 ... Sid.
>> > > >
>> > > > On 25/01/13 07:57, Mario wrote:
>> > > > >
>> > > > > Hi Sid,
>> > > > >
>> > > > > yesterday evening i had some time to try the preselector board.
>> > > > > I see a similar problem than Sid with my board but probably
>> it has a
>> > > > > different cause.
>> > > > >
>> > > > > I just plugged the filter boards which do not have toroids
>> assembled

>> > > > > yet. I just want to see which bandfilter module is selected.
>> > > > > The bandfilters are switching fine out of quisk as well as teh
>> > > > > preamplifier LED.
>> > > > > The FDX LED is always on. No switching if i press FDX or PTT.
>> > > > >
>> > > > > This morning i debugged a bit further.
>> > > > > If i disconnect the cable towards the Hiqsdr i see that i can
>> switch
>> > > > > the FDX function on and of by pulling the CCTX signal 3.3V
>> and GND.
>> > > > > Low means FDX=on, 3.3V means FDX=off as far as i understand.
>> > > > > This lets me assume that the Preselector is working properly.
>> > > > >
>> > > > > Then i checked the state of CCTX on the frontend board with the
>> > > > > Preselector disconnected. It seems that the pin is always
>> driving low
>> > > > > (or pulled low) regardless what setting i use for FDX in QUISK.
>> > > > > In difference to the preselector pins were i read really 0V
>> in Low
>> > > > > state i see around 50mV at the CCTX pin. But if i try to pull
>> the pin
>> > > > > up via 1kOhm thats not working.
>> > > > >
>> > > > > Finally this lets me assume that i either have a problem with
>> the
>> > > FPGA
>> > > > > pin (which is unlikely since all the others are working
>> properly)
>> > > or i
>> > > > > have some difference in the FPGA image. (i think i use 1.3-sg).
>> > > > >
>> > > > > Next step would be to investigate why the CCTX pin is always
>> in that
>> > > > > state.
>> > > > >
>> > > > > regards
>> > > > > Mario
>> > > > >
>> > > > > --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>
>> > > ,
>> > > > > Sid Boyce wrote:
>> > > > > >
>> > > > > > Hi Helmut,
>> > > > > > HP 1725A Scope measurements with 10x probe 0.1V range DC.
>> Ribbon
>> > > cable
>> > > > > > connected between HiQSDR and Preselector.
>> > > > > > R51/X2-pin 9 +3.3V
>> > > > > >

>> > > > > > R51/X2-pin7 +0.3V
>> > > > > >
>> > > > > > U7-12 +0.3V
>> > > > > >
>> > > > > > U7-8 0V
>> > > > > >
>> > > > > > U7-1/19 0V
>> > > > > >
>> > > > > > U7-20 +4.5V
>> > > > > >
>> > > > > > +3.3V --> 10K --> U7-12 (+0.5V) and FDX LED still on.
>> > > > > >
>> > > > > > +3.3V --> 10K --> U7-12 with ribbon cable disconnected FDX LED
>> > > still on.
>> > > > > >
>> > > > > > Resistance U7-12 to GND 898 ohms with power off of course.
>> > > > > >
>> > > > > > I have some 74HCT245M chips from RS Components if you agree U7
>> > > is most
>> > > > > > likely.
>> > > > > >
>> > > > > > 73 ... Sid.
>> > > > > >
>> > > > > >
>> > > > > > On 14/01/13 19:20, Helmut G?bkes wrote:
>> > > > > > >
>> > > > > > > Hi Sid,
>> > > > > > > the X2 side of R51 is connected to +3.3V at HiQSDR, so if
>> you have
>> > > > > > > connection to hiqsdr
>> > > > > > > this pin must have 3.3?V, so your reading is correct.
>> > > > > > > If you disconnect HiQSDR, the voltage on X2, Pin9 is
>> > > undefined, so
>> > > > > > the
>> > > > > > > voltage reading is undefined or irrelevant,
>> > > > > > > so all measurments are valid with hiqsdr connected.
>> > > > > > > If you measure the other side of R51, the voltage depends
>> on the
>> > > > > > > signal level on PIN56 of FPGA.
>> > > > > > > The Input on X2, pin7 of Preselector is a hi impedance
>> imnput and
>> > > > > > > should be floating if X2 is open, because
>> > > > > > > there is no further connection (R51 is also floatin, because
>> > > it is
>> > > > > > not
>> > > > > > > connected to X2 Pin9.
>> > > > > > > If this pin is stuck to GND, the capacitor network CN3
>> (Pin8) is
>> > > > > > > defective (short to GND) or IC7 is damaged.
>> > > > > > > If X2, Pin 7 is not stuck to GND, maybe the PIN56 @ FPGA is

>> > > > > > > programmed to GND. THis bin have to be Hi-Impedance
>> > > > > > > (floating) or programmed HIGH (!)
>> > > > > > > To test a PIN for floating or high impedance, a normal
>> > > Voltmeter is
>> > > > > > not sufficient!
>> > > > > > > Best ist to drive the pin via a resistor to 3.3V (10kOhm as
>> > > example)
>> > > > > > and measure then. Now the
>> > > > > > voltage should also nearly the 3.3V.
>> > > > > > Best is to inspect the input with a 3.3V-compatible
>> > > > > > CMOS Pin Tester who shows the signal level directly or use an
>> > > > > > oscilloscope.
>> > > > > > best regards,
>> > > > > > helmut
>> > > > > >
>> > > > > > *From:* Sid Boyce
>> > > > > > *Sent:* Monday, January 14, 2013 12:16 AM
>> > > > > > *To:* Mario
>> > > > > > *Cc:* n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>
>> > >
>> > > > > > *Subject:* [n2adr-sdr] Preselector problem
>> > > > > >
>> > > > > > Hi Mario,
>> > > > > > As you are building the Preselector it would be
>> interesting to
>> > > > > know what
>> > > > > > the voltage readings are from R51 to GND.
>> > > > > >
>> > > > > > I am seeing +3.29V at the X2 end and +0.29V at the other
>> end which
>> > > > > > causes the FDX LED to be permanently ON and that inhibits
>> PTT from
>> > > > > working.
>> > > > > >
>> > > > > > I get the same even with the cable to X1 on the HiQSDR
>> > > disconnected.
>> > > > > > Thanks.
>> > > > > > 73 ... Sid.
>> > > > > >
>>
>
>
> --
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach

Microsoft Windows Free Zone - Linux used for all Computing Tasks

825. Re: [n2adr-sdr] update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 03:12:38 UTC
From: Sid Boyce
Topic: 820 Message: 825

I wonder what version of altera is recommended or successfuly used with
the latest firmware.

I have 11.0 which I used up to fpga_ver2-sg1.
11.1 didn't see the HiQSDR and I now have 12.0sp2 and 12.1 that I
recently downloaded.

The reason I ask is that the HPSDR group recommend version 12.1, the one
they used to develop the firmware.
73 ... Sid.

On 27/01/13 18:12, dl2stg wrote:
>
> Hi
>
> after a long time there is an update for the fpga, gr-hiqsdr and qsdr.
>
> For some experiments with width band modulation i have modified the
> fpga-image for support sample rates from 9600 up to 3840000. The
> higher rates are only available with 16 or 8 bit data width. This is a
> limitation of the 100Mbit network.
>
> qsdr 0.9.9 is available with the following changes:
>
> - Internal structure redesigned
> - Reduced cpu consumption
> - New concept for settings
> - Second rx
> - OsmoSDR supported
> - WFM-stereo support with RDS
> - DAB+ support (not ready)
> - IQ-output to Soundcard
> - Gnuradio 3.6.x
> - Preselector support (untested)
> - new RX-Samplerates up to 1920000 (16Bit) and 3860000 (8Bit) with new
> fpga
>
> Is should run out of the box in Ubuntu 12.10, no need to translate
> gnuradio. Packages for 32 bit and 64 bit are available at
> http://dl2stg.de/stefan/hiqsdr/qsdr.html
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

826. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 07:10:39 UTC
From: Mario
Topic: 820 Message: 826

Hi Stefan,

sounds interesting. Thanks for the tip. I just have in mind that the DAB+ uses a different frame structure than DRM-AAC+ and therefore it did not work in the past. Would also be interesting for the DRM/DAB/DRM+ receiver software of Michael Feilen.

The frequency offset might be critical because the carrier distance of DAB Mode1 is 1kHz only. Usually this is compensated by a loop that tunes the frontend with the frequency offset estimation from the demodulator chain.

To my opinion the DAB phy is quite interesting for hamradio in terms of stability and flexibility. For audio purpose it might not make too much sense but i think into direction of video transmissions in the 70cm band. You might fill almost any video codec into a subchannel. The 1.5MHz bandwidth fits to the band and Mode2 is also suitable for 23cm and 13cm (Of cause DVB-S can be used there as well). But overall thats a different topic ;)

regards
Mario

827. Re: [n2adr-sdr] update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 14:12:42 UTC
From: Sid Boyce
Topic: 820 Message: 827

```
Updated this morning using 12.1, only one issue where it was initially
looking for Transceiver.pof in /home/stefan/projekte/sdr/Transceiver/
which doesn't exist:-
slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver # ls -l
Transceiver.cdf
-rwxr-xr-x 1 1003 1007 335 Jan 20 18:37 Transceiver.cdf
slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver # ls -l
Transceiver.pof
-rw-r--r-- 1 1003 1007 2097357 Jan 20 18:38 Transceiver.pof

The command line is mightier than the GUI.
slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver #
/home/lancelot/altera/12.1/qprogrammer/bin/quartus_pgm -c USB-Blaster
Transceiver.cdf
Warning (11655): Can't locate programming file Transceiver.pof in
/home/stefan/projekte/sdr/Transceiver/. Found and loaded programming
file Transceiver.pof from the current Chain Description File directory
Info: ************************************************************
Info: Running Quartus II 32-bit Programmer
Info: Version 12.1 Build 177 11/07/2012 SJ Full Version
Info: Copyright (C) 1991-2012 Altera Corporation. All rights reserved.
Info: Your use of Altera Corporation's design tools, logic functions
Info: and other software and tools, and its AMPP partner logic
Info: functions, and any output files from any of the foregoing
Info: (including device programming or simulation files), and any
Info: associated documentation or information are expressly subject
Info: to the terms and conditions of the Altera Program License
Info: Subscription Agreement, Altera MegaCore Function License
Info: Agreement, or other applicable license agreement, including,
Info: without limitation, that your use is for the sole purpose of
Info: programming logic devices manufactured by Altera and sold by
Info: Altera or its authorized distributors. Please refer to the
Info: applicable agreement for further details.
Info: Processing started: Mon Jan 28 11:07:15 2013
Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
Info (213045): Using programming cable "USB-Blaster [10-4.4.4]"
Info (213011): Using programming file Transceiver.pof with checksum
0x1BE80C57 for device EPCS16@1
Info (209060): Started Programmer operation at Mon Jan 28 11:07:16 2013
Info (209018): Device 1 silicon ID is 0x14
Info (209044): Erasing ASP configuration device(s)
Info (209024): Programming device 1
Info (209022): Performing verification on device 1
Info (209018): Device 1 silicon ID is 0x14
Info (209011): Successfully performed operation(s)
```

Info (209061): Ended Programmer operation at Mon Jan 28 11:07:30 2013
Info: Quartus II 32-bit Programmer was successful. 0 errors, 1 warning
Info: Peak virtual memory: 121 megabytes
Info: Processing ended: Mon Jan 28 11:07:30 2013
Info: Elapsed time: 00:00:15
Info: Total CPU time (on all processors): 00:00:00
73 ... Sid.

On 28/01/13 03:12, Sid Boyce wrote:
>
> I wonder what version of altera is recommended or successfuly used
> with the latest firmware.
>
> I have 11.0 which I used up to fpga_ver2-sg1.
> 11.1 didn't see the HiQSDR and I now have 12.0sp2 and 12.1 that I
> recently downloaded.
>
> The reason I ask is that the HPSDR group recommend version 12.1, the
> one they used to develop the firmware.
> 73 ... Sid.
>
> On 27/01/13 18:12, dl2stg wrote:
>>
>> Hi
>>
>> after a long time there is an update for the fpga, gr-hiqsdr and qsdr.
>>
>> For some experiments with width band modulation i have modified the
>> fpga-image for support sample rates from 9600 up to 3840000. The
>> higher rates are only available with 16 or 8 bit data width. This is
>> a limitation of the 100Mbit network.
>>
>> qsdr 0.9.9 is available with the following changes:
>>
>> - Internal structure redesigned
>> - Reduced cpu consumption
>> - New concept for settings
>> - Second rx
>> - OsmoSDR supported
>> - WFM-stereo support with RDS
>> - DAB+ support (not ready)
>> - IQ-output to Soundcard
>> - Gnuradio 3.6.x
>> - Preselector support (untested)
>> - new RX-Samplerates up to 1920000 (16Bit) and 3860000 (8Bit) with
>> new fpga
>>
>> Is should run out of the box in Ubuntu 12.10, no need to translate
>> gnuradio. Packages for 32 bit and 64 bit are available at
>> http://dl2stg.de/stefan/hiqsdr/qsdr.html

>>
>
>
> --
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

828. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 14:25:34 UTC
From: dl2stg
Topic: 820 Message: 828

I used also altera version 12.1 for translating. FPGA_V3_SG1 and older make some trouble with timing in 12.1.

73
Stefan

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Updated this morning using 12.1, only one issue where it was initially
> looking for Transceiver.pof in /home/stefan/projekte/sdr/Transceiver/
> which doesn't exist:-
> slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver # ls -l
> Transceiver.cdf
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> The command line is mightier than the GUI.
> slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver #
> /home/lancelot/altera/12.1/qprogrammer/bin/quartus_pgm -c USB-Blaster
> Transceiver.cdf
> Warning (11655): Can't locate programming file Transceiver.pof in
> /home/stefan/projekte/sdr/Transceiver/. Found and loaded programming
> file Transceiver.pof from the current Chain Description File directory
> Info: ***
> Info: Running Quartus II 32-bit Programmer
> Info: Version 12.1 Build 177 11/07/2012 SJ Full Version
> Info: Copyright (C) 1991-2012 Altera Corporation. All rights reserved.
> Info: Your use of Altera Corporation's design tools, logic functions
> Info: and other software and tools, and its AMPP partner logic
> Info: functions, and any output files from any of the foregoing
> Info: (including device programming or simulation files), and any
> Info: associated documentation or information are expressly subject
> Info: to the terms and conditions of the Altera Program License
> Info: Subscription Agreement, Altera MegaCore Function License
> Info: Agreement, or other applicable license agreement, including,
> Info: without limitation, that your use is for the sole purpose of
> Info: programming logic devices manufactured by Altera and sold by
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> Info: Processing started: Mon Jan 28 11:07:15 2013
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> Info: Processing ended: Mon Jan 28 11:07:30 2013
> Info: Elapsed time: 00:00:15
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> 73 ... Sid.
>
> On 28/01/13 03:12, Sid Boyce wrote:
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> > I wonder what version of altera is recommended or successfuly used
> > with the latest firmware.
> >
> > I have 11.0 which I used up to fpga_ver2-sg1.
> > 11.1 didn't see the HiQSDR and I now have 12.0sp2 and 12.1 that I
> > recently downloaded.
> >
> > The reason I ask is that the HPSDR group recommend version 12.1, the
> > one they used to develop the firmware.
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> >
> > On 27/01/13 18:12, dl2stg wrote:
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> >> Hi
> >>
> >> after a long time there is an update for the fpga, gr-hiqsdr and qsdr.
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> >> For some experiments with width band modulation i have modified the
> >> fpga-image for support sample rates from 9600 up to 3840000. The
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> >> a limitation of the 100Mbit network.
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> >> qsdr 0.9.9 is available with the following changes:
> >>
> >> - Internal structure redesigned
> >> - Reduced cpu consumption
> >> - New concept for settings
> >> - Second rx
> >> - OsmoSDR supported
> >> - WFM-stereo support with RDS
> >> - DAB+ support (not ready)
> >> - IQ-output to Soundcard

> >> - Gnuradio 3.6.x
> >> - Preselector support (untested)
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> >> new fpga
> >>
> >> Is should run out of the box in Ubuntu 12.10, no need to translate
> >> gnuradio. Packages for 32 bit and 64 bit are available at
> >> http://dl2stg.de/stefan/hiqsdr/qsdr.html
> >>
> >
> >
> > --
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

829. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 14:46:53 UTC
From: dl2stg
Topic: 820 Message: 829

Hi Mario,

i use the carrier phase to lock the frequency against drift of the USB-Stick. The raw lock is not yet realized and made my hand.

For transmitting with a bandwidth of 1.5Mhz some changes in the fpga are necessary. This is not a so easy but interesting task. For rx, i use a internal doubled clock of 245 Mhz for the last FIR-Filter to preserve 460 tabs at a samplerate of 3840000. This is a near the borderline off fpga timing and not meet all considerations.

regards
Stefan

--- In n2adr-sdr@yahoogroups.com, "Mario" wrote:
>
>
> Hi Stefan,
>
> sounds interesting. Thanks for the tip. I just have in mind that the DAB+ uses a different frame structure than DRM-AAC+ and therefore it did not work in the past. Would also be interesting for the DRM/DAB/DRM+ receiver software of Michael Feilen.
>
> The frequency offset might be critical because the carrier distance of DAB Mode1 is 1kHz only. Usually this is compensated by a loop that tunes the frontend with the frequency offset estimation from the demodulator chain.
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> To my opinion the DAB phy is quite interesting for hamradio in terms of stability and flexibility. For audio purpose it might not make too much sense but i think into direction of video transmissions in the 70cm band. You might fill almost any video codec into a subchannel. The 1.5MHz bandwidth fits to the band and Mode2 is also suitable for 23cm and 13cm (Of cause DVB-S can be used there as well). But overall thats a different topic ;)
>
> regards
> Mario
>

830. Re: [n2adr-sdr] Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-01-28 14:54:45 UTC
From: Sid Boyce
Topic: 820 Message: 830

Thanks Stefan,
No problems experienced so far.
Everything is as it was before the upgrade.
73 ... Sid.

On 28/01/13 14:25, dl2stg wrote:
>
>
> I used also altera version 12.1 for translating. FPGA_V3_SG1 and older
> make some trouble with timing in 12.1.
>
> 73
> Stefan
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > Updated this morning using 12.1, only one issue where it was initially
> > looking for Transceiver.pof in /home/stefan/projekte/sdr/Transceiver/
> > which doesn't exist:-
> > slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver # ls -l
> > Transceiver.cdf
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> > slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver # ls -l
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> >
> > The command line is mightier than the GUI.
> > slipstream:/HAMRADIO/SDR/N2ADR/FPGA_V3-SG2/Transceiver #
> > /home/lancelot/altera/12.1/qprogrammer/bin/quartus_pgm -c USB-Blaster
> > Transceiver.cdf
> > Warning (11655): Can't locate programming file Transceiver.pof in
> > /home/stefan/projekte/sdr/Transceiver/. Found and loaded programming
> > file Transceiver.pof from the current Chain Description File directory
> > Info:
> **
> > Info: Running Quartus II 32-bit Programmer
> > Info: Version 12.1 Build 177 11/07/2012 SJ Full Version
> > Info: Copyright (C) 1991-2012 Altera Corporation. All rights reserved.
> > Info: Your use of Altera Corporation's design tools, logic functions
> > Info: and other software and tools, and its AMPP partner logic
> > Info: functions, and any output files from any of the foregoing
> > Info: (including device programming or simulation files), and any
> > Info: associated documentation or information are expressly subject
> > Info: to the terms and conditions of the Altera Program License

> > Info: Subscription Agreement, Altera MegaCore Function License
> > Info: Agreement, or other applicable license agreement, including,
> > Info: without limitation, that your use is for the sole purpose of
> > Info: programming logic devices manufactured by Altera and sold by
> > Info: Altera or its authorized distributors. Please refer to the
> > Info: applicable agreement for further details.
> > Info: Processing started: Mon Jan 28 11:07:15 2013
> > Info: Command: quartus_pgm -c USB-Blaster Transceiver.cdf
> > Info (213045): Using programming cable "USB-Blaster [10-4.4.4]"
> > Info (213011): Using programming file Transceiver.pof with checksum
> > 0x1BE80C57 for device EPCS16@1
> > Info (209060): Started Programmer operation at Mon Jan 28 11:07:16 2013
> > Info (209018): Device 1 silicon ID is 0x14
> > Info (209044): Erasing ASP configuration device(s)
> > Info (209024): Programming device 1
> > Info (209022): Performing verification on device 1
> > Info (209018): Device 1 silicon ID is 0x14
> > Info (209011): Successfully performed operation(s)
> > Info (209061): Ended Programmer operation at Mon Jan 28 11:07:30 2013
> > Info: Quartus II 32-bit Programmer was successful. 0 errors, 1 warning
> > Info: Peak virtual memory: 121 megabytes
> > Info: Processing ended: Mon Jan 28 11:07:30 2013
> > Info: Elapsed time: 00:00:15
> > Info: Total CPU time (on all processors): 00:00:00
> > 73 ... Sid.
> >
> > On 28/01/13 03:12, Sid Boyce wrote:
> > >
> > > I wonder what version of altera is recommended or successfuly used
> > > with the latest firmware.
> > >
> > > I have 11.0 which I used up to fpga_ver2-sg1.
> > > 11.1 didn't see the HiQSDR and I now have 12.0sp2 and 12.1 that I
> > > recently downloaded.
> > >
> > > The reason I ask is that the HPSDR group recommend version 12.1, the
> > > one they used to develop the firmware.
> > > 73 ... Sid.
> > >
> > > On 27/01/13 18:12, dl2stg wrote:
> > >>
> > >> Hi
> > >>
> > >> after a long time there is an update for the fpga, gr-hiqsdr and
> qsdr.
> > >>
> > >> For some experiments with width band modulation i have modified the
> > >> fpga-image for support sample rates from 9600 up to 3840000. The
> > >> higher rates are only available with 16 or 8 bit data width. This is
> > >> a limitation of the 100Mbit network.

> > >>
> > >> qsdr 0.9.9 is available with the following changes:
> > >>
> > >> - Internal structure redesigned
> > >> - Reduced cpu consumption
> > >> - New concept for settings
> > >> - Second rx
> > >> - OsmoSDR supported
> > >> - WFM-stereo support with RDS
> > >> - DAB+ support (not ready)
> > >> - IQ-output to Soundcard
> > >> - Gnuradio 3.6.x
> > >> - Preselector support (untested)
> > >> - new RX-Samplerates up to 1920000 (16Bit) and 3860000 (8Bit) with
> > >> new fpga
> > >>
> > >> Is should run out of the box in Ubuntu 12.10, no need to translate
> > >> gnuradio. Packages for 32 bit and 64 bit are available at
> > >> http://dl2stg.de/stefan/hiqsdr/qsdr.html
> > >>
> > >
> > >
> > > --
> > >
> >
>

--
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831. Latest hamlib git

Yahoo group: n2adr-sdr
Date: 2013-01-30 03:55:09 UTC
From: Sid Boyce
Topic: 831 Message: 831

FASDR has now claimed 15.
#define RIG_MODEL_HIQSDR RIG_MAKE_MODEL(RIG_KIT, 14) /* HiQSDR */
#define RIG_MODEL_FASDR RIG_MAKE_MODEL(RIG_KIT,15) /* Funkamateur Sdr */

Jim,
I think the hamlib patch with a different rig number is good enough to
go upstream even as a place holder.
73 ... Sid.

--
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832. Re: Latest hamlib git

Yahoo group: n2adr-sdr
Date: 2013-01-30 15:58:28 UTC
From: jimahlstrom
Topic: 831 Message: 832

Hello,

I don't mind putting the Hamlib patch in for the hardware. But I don't think that Hamlib should connect to the hardware, I think it should connect to the software. The software can always use rig 2. See

http://james.ahlstrom.name/hamlib.html.

Jim
N2ADR

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> FASDR has now claimed 15.
> #define RIG_MODEL_HIQSDR RIG_MAKE_MODEL(RIG_KIT, 14) /* HiQSDR */
> #define RIG_MODEL_FASDR RIG_MAKE_MODEL(RIG_KIT,15) /* Funkamateur Sdr */
>
> Jim,
> I think the hamlib patch with a different rig number is good enough to
> go upstream even as a place holder.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>

833. Re: [n2adr-sdr] Re: Latest hamlib git

Yahoo group: n2adr-sdr
Date: 2013-01-30 19:51:06 UTC
From: Sid Boyce
Topic: 831 Message: 833

OK Jim,
We'll leave it at that.
73 ... Sid.

On 30/01/13 15:58, jimahlstrom wrote:
>
> Hello,
>
> I don't mind putting the Hamlib patch in for the hardware. But I don't
> think that Hamlib should connect to the hardware, I think it should
> connect to the software. The software can always use rig 2. See
>
> http://james.ahlstrom.name/hamlib.html.
>
> Jim
> N2ADR
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > FASDR has now claimed 15.
> > #define RIG_MODEL_HIQSDR RIG_MAKE_MODEL(RIG_KIT, 14) /* HiQSDR */
> > #define RIG_MODEL_FASDR RIG_MAKE_MODEL(RIG_KIT,15) /* Funkamateur Sdr */
> >
> > Jim,
> > I think the hamlib patch with a different rig number is good enough to
> > go upstream even as a place holder.
> > 73 ... Sid.
> >
> > --
>
>

--
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834. Re: Latest hamlib git

Yahoo group: n2adr-sdr
Date: 2013-01-31 10:21:39 UTC
From: Mario
Topic: 831 Message: 834

Hi Jim,

i think the Hamlib stuff is still useful for sofware that wants to use the samples from the frontend directly and do not want to care so much about controlling it.

regards
Mario

835. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-31 10:32:52 UTC
From: Mario
Topic: 800 Message: 835

Some further investigations from my side so far:

Bypass:
I noticed that the assembly print of the preselector has a slight chance to be missunderstood.
R43 / D1 prints on the board are aligned in a way that made me swap the pads and therefore assemble D1 in the wrong direction. That was the reason why i did not notice that the bypass setting works well although the LED was always off.
In addition the solder jumper setting for selecting BU3 (PA path) is 2-3 for the filter modules but 1-2 for the bypass path. I did this wrong as well because i did not read the comments ;)

FDX:
I now know that pins that are not assigned to a signal in the FPGA may not have the default direction that is assigned in the CDF file. This means that the CCTX pin on my board was stuck at 0 although in the CDF file it was specified with "input with weak pullup". I made a signal CCTX in transceiver.v and assigned 1. This signal i connected to the CCTX pin. Now the level is always high. Unfortunately it does not work 100% still because the high level (even without any cable connected to the FPGA board) is just 2.8V. This is not enough to switch the 74HCT245 stable. If i tip the pin at the 74HCT245 i usually get over the trip level of the input and the relays switch. So the circuit seems to be ok. Even if i switch static or disconnect the CCTX signal it works well (FDX = off and RX/TX switching works) I will continue to search why this happens. Most probably the supply for that pin comes from a domain which is currently not supplied with 3.3V.
Probably i switch the pin defined to input or i find a way to switch it to 3.3V output level.

regards
Mario

836. Re: Latest hamlib git

Yahoo group: n2adr-sdr
Date: 2013-01-31 19:43:25 UTC
From: jimahlstrom
Topic: 831 Message: 836

Hello,

Yes, I can see that. I have no objection to the frontend Hambib rig package, and it is a good idea. But I don't know who wrote it, and I am not in a position to say when to publish it. That is all I meant.

Jim
N2ADR

--- In n2adr-sdr@yahoogroups.com, "Mario" wrote:
>
> Hi Jim,
>
> i think the Hamlib stuff is still useful for sofware that wants to use the samples from the frontend directly and do not want to care so much about controlling it.
>
> regards
> Mario
>

837. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-01-31 21:29:03 UTC
From: Sid Boyce
Topic: 800 Message: 837

Thanks Mario,
Keep me posted as I still have the problem, even with +3.3V through 10K to U7 pin 12 the FDX LED was still on.
73 ... Sid.

On 31/01/13 10:32, Mario wrote:
>
> Some further investigations from my side so far:
>
> Bypass:
> I noticed that the assembly print of the preselector has a slight
> chance to be missunderstood.
> R43 / D1 prints on the board are aligned in a way that made me swap
> the pads and therefore assemble D1 in the wrong direction. That was
> the reason why i did not notice that the bypass setting works well
> although the LED was always off.
> In addition the solder jumper setting for selecting BU3 (PA path) is
> 2-3 for the filter modules but 1-2 for the bypass path. I did this
> wrong as well because i did not read the comments ;)
>
> FDX:
> I now know that pins that are not assigned to a signal in the FPGA may
> not have the default direction that is assigned in the CDF file. This
> means that the CCTX pin on my board was stuck at 0 although in the CDF
> file it was specified with "input with weak pullup". I made a signal
> CCTX in transceiver.v and assigned 1. This signal i connected to the
> CCTX pin. Now the level is always high. Unfortunately it does not work
> 100% still because the high level (even without any cable connected to
> the FPGA board) is just 2.8V. This is not enough to switch the
> 74HCT245 stable. If i tip the pin at the 74HCT245 i usually get over
> the trip level of the input and the relays switch. So the circuit
> seems to be ok. Even if i switch static or disconnect the CCTX signal
> it works well (FDX = off and RX/TX switching works) I will continue to
> search why this happens. Most probably the supply for that pin comes
> from a domain which is currently not supplied with 3.3V.
> Probably i switch the pin defined to input or i find a way to switch
> it to 3.3V output level.
>
> regards
> Mario
>
>

--
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838. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-01 07:07:53 UTC
From: Mario
Topic: 800 Message: 838

Hi Sid,

i also did not find the solution but i assume the problem at your side is slightly different.
If i disconnect the FPGA board and touch the Pin7 of the header at the Preselector with +3.3V / 0V i can get the relais switching correctly. I also got the FPGA switch the pin to high level but i did not find the reason why its just 2.8V level. All the settings in the Quartus Studio appear to be correct so far. The bank IO voltage pin is supplied by 3.3V and the pin is set to 3.3V LVCMOS.
For the moment i think about just disconnecting the CCTX line in hardware for the moment ;)

Regarding your problem:
Could you try switching the signals with static 3.3V / 0V levels as well to search for the exact position were it does not work ?
If the HCT245 is working properly you should see the HCT04 and afterwards the NAND gate switching. Somewhere there must be the fault.
You could also try to lift the corresponding pin of the HCT04 and apply a static high via pullup.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Thanks Mario,
> Keep me posted as I still have the problem, even with +3.3V through 10K
> to U7 pin 12 the FDX LED was still on.
> 73 ... Sid.
>
> On 31/01/13 10:32, Mario wrote:
> >
> > Some further investigations from my side so far:
> >
> > Bypass:
> > I noticed that the assembly print of the preselector has a slight
> > chance to be missunderstood.
> > R43 / D1 prints on the board are aligned in a way that made me swap
> > the pads and therefore assemble D1 in the wrong direction. That was
> > the reason why i did not notice that the bypass setting works well
> > although the LED was always off.
> > In addition the solder jumper setting for selecting BU3 (PA path) is
> > 2-3 for the filter modules but 1-2 for the bypass path. I did this
> > wrong as well because i did not read the comments ;)
> >
> > FDX:
> > I now know that pins that are not assigned to a signal in the FPGA may

> > not have the default direction that is assigned in the CDF file. This
> > means that the CCTX pin on my board was stuck at 0 although in the CDF
> > file it was specified with "input with weak pullup". I made a signal
> > CCTX in transceiver.v and assigned 1. This signal i connected to the
> > CCTX pin. Now the level is always high. Unfortunately it does not work
> > 100% still because the high level (even without any cable connected to
> > the FPGA board) is just 2.8V. This is not enough to switch the
> > 74HCT245 stable. If i tip the pin at the 74HCT245 i usually get over
> > the trip level of the input and the relays switch. So the circuit
> > seems to be ok. Even if i switch static or disconnect the CCTX signal
> > it works well (FDX = off and RX/TX switching works) I will continue to
> > search why this happens. Most probably the supply for that pin comes
> > from a domain which is currently not supplied with 3.3V.
> > Probably i switch the pin defined to input or i find a way to switch
> > it to 3.3V output level.
> >
> > regards
> > Mario
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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839. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-01 11:00:39 UTC
From: Sid Boyce
Topic: 800 Message: 839

Thanks Mario,
I shall try troubleshooting from the output of U7 as that would tell whether the problem is with CN3/RN5 at the input pin 12 or if output Pin 7 is being dragged down.
73 ... Sid.

On 01/02/13 07:07, Mario wrote:
>
> Hi Sid,
>
> i also did not find the solution but i assume the problem at your side
> is slightly different.
> If i disconnect the FPGA board and touch the Pin7 of the header at the
> Preselector with +3.3V / 0V i can get the relais switching correctly.
> I also got the FPGA switch the pin to high level but i did not find
> the reason why its just 2.8V level. All the settings in the Quartus
> Studio appear to be correct so far. The bank IO voltage pin is
> supplied by 3.3V and the pin is set to 3.3V LVCMOS.
> For the moment i think about just disconnecting the CCTX line in
> hardware for the moment ;)
>
> Regarding your problem:
> Could you try switching the signals with static 3.3V / 0V levels as
> well to search for the exact position were it does not work ?
> If the HCT245 is working properly you should see the HCT04 and
> afterwards the NAND gate switching. Somewhere there must be the fault.
> You could also try to lift the corresponding pin of the HCT04 and
> apply a static high via pullup.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > Thanks Mario,
> > Keep me posted as I still have the problem, even with +3.3V through 10K
> > to U7 pin 12 the FDX LED was still on.
> > 73 ... Sid.
> >
> > On 31/01/13 10:32, Mario wrote:
> > >
> > > Some further investigations from my side so far:
> > >
> > > Bypass:

> > > I noticed that the assembly print of the preselector has a slight
> > > chance to be missunderstood.
> > > R43 / D1 prints on the board are aligned in a way that made me swap
> > > the pads and therefore assemble D1 in the wrong direction. That was
> > > the reason why i did not notice that the bypass setting works well
> > > although the LED was always off.
> > > In addition the solder jumper setting for selecting BU3 (PA path) is
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> > > file it was specified with "input with weak pullup". I made a signal
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> continue to
> > > search why this happens. Most probably the supply for that pin comes
> > > from a domain which is currently not supplied with 3.3V.
> > > Probably i switch the pin defined to input or i find a way to switch
> > > it to 3.3V output level.
> > >
> > > regards
> > > Mario
> > >
> > >
> >
> >

--
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840. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-01 19:19:01 UTC
From: Mario
Topic: 800 Message: 840

Hi Sid,

after my attempt to set the CCTX signal to high was not that successfull i tried to set it to input in order to use the pullup towards 3.3V correctly. Unfortunately the signal was now always low again. So i started my last chance and disconnected the trace close to RN1 on the FPGA board. Now the pullup works and the the FDX function is switched off. I currently do not understand why both things (switching CCTX output high, and switching CCTX to input) do not work. But so far the problem has a workaround for me at this time.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Thanks Mario,
> I shall try troubleshooting from the output of U7 as that would tell
> whether the problem is with CN3/RN5 at the input pin 12 or if output Pin
> 7 is being dragged down.
> 73 ... Sid.
>
>
> On 01/02/13 07:07, Mario wrote:
> >
> > Hi Sid,
> >
> > i also did not find the solution but i assume the problem at your side
> > is slightly different.
> > If i disconnect the FPGA board and touch the Pin7 of the header at the
> > Preselector with +3.3V / 0V i can get the relais switching correctly.
> > I also got the FPGA switch the pin to high level but i did not find
> > the reason why its just 2.8V level. All the settings in the Quartus
> > Studio appear to be correct so far. The bank IO voltage pin is
> > supplied by 3.3V and the pin is set to 3.3V LVCMOS.
> > For the moment i think about just disconnecting the CCTX line in
> > hardware for the moment ;)
> >
> > Regarding your problem:
> > Could you try switching the signals with static 3.3V / 0V levels as
> > well to search for the exact position were it does not work ?
> > If the HCT245 is working properly you should see the HCT04 and
> > afterwards the NAND gate switching. Somewhere there must be the fault.
> > You could also try to lift the corresponding pin of the HCT04 and
> > apply a static high via pullup.
> >
> > regards
> > Mario

> >
> > --- In n2adr-sdr@yahoogroups.com ,
> > Sid Boyce wrote:
> > >
> > > Thanks Mario,
> > > Keep me posted as I still have the problem, even with +3.3V through 10K
> > > to U7 pin 12 the FDX LED was still on.
> > > 73 ... Sid.
> > >
> > > On 31/01/13 10:32, Mario wrote:
> > > >
> > > > Some further investigations from my side so far:
> > > >
> > > > Bypass:
> > > > I noticed that the assembly print of the preselector has a slight
> > > > chance to be missunderstood.
> > > > R43 / D1 prints on the board are aligned in a way that made me swap
> > > > the pads and therefore assemble D1 in the wrong direction. That was
> > > > the reason why i did not notice that the bypass setting works well
> > > > although the LED was always off.
> > > > In addition the solder jumper setting for selecting BU3 (PA path) is
> > > > 2-3 for the filter modules but 1-2 for the bypass path. I did this
> > > > wrong as well because i did not read the comments ;)
> > > >
> > > > FDX:
> > > > I now know that pins that are not assigned to a signal in the FPGA
> > may
> > > > not have the default direction that is assigned in the CDF file. This
> > > > means that the CCTX pin on my board was stuck at 0 although in the
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> > > > CCTX pin. Now the level is always high. Unfortunately it does not
> > work
> > > > 100% still because the high level (even without any cable
> > connected to
> > > > the FPGA board) is just 2.8V. This is not enough to switch the
> > > > 74HCT245 stable. If i tip the pin at the 74HCT245 i usually get over
> > > > the trip level of the input and the relays switch. So the circuit
> > > > seems to be ok. Even if i switch static or disconnect the CCTX signal
> > > > it works well (FDX = off and RX/TX switching works) I will
> > continue to
> > > > search why this happens. Most probably the supply for that pin comes
> > > > from a domain which is currently not supplied with 3.3V.
> > > > Probably i switch the pin defined to input or i find a way to switch
> > > > it to 3.3V output level.
> > > >
> > > > regards
> > > > Mario
> > > >

> > > >
> > >
> > >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>

841. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-02 00:28:38 UTC
From: Sid Boyce
Topic: 800 Message: 841

Hi Mario,
Was that done by just cutting the trace and the pullup achieved by R51 on the Preselector board?

In my case I had the same problem removing the cable and pulling up U7 pin 12 with a 10K to +3.3V. Now I'm thinking - If the cable was removed there wouldn't be +3.3V was coming from the HiQSDR to X2 pin 9 and I am fairly certain I didn't check R51 at the X2 end for +3.3V with the cable removed.

You could be on to the problem there. I'll check it out tomorrow.
73 ... Sid.

On 01/02/13 19:19, Mario wrote:
>
> Hi Sid,
>
> after my attempt to set the CCTX signal to high was not that
> successfull i tried to set it to input in order to use the pullup
> towards 3.3V correctly. Unfortunately the signal was now always low
> again. So i started my last chance and disconnected the trace close to
> RN1 on the FPGA board. Now the pullup works and the the FDX function
> is switched off. I currently do not understand why both things
> (switching CCTX output high, and switching CCTX to input) do not work.
> But so far the problem has a workaround for me at this time.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > Thanks Mario,
> > I shall try troubleshooting from the output of U7 as that would tell
> > whether the problem is with CN3/RN5 at the input pin 12 or if output
> Pin
> > 7 is being dragged down.
> > 73 ... Sid.
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> >
> > On 01/02/13 07:07, Mario wrote:
> > >
> > > Hi Sid,
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> > > i also did not find the solution but i assume the problem at your
> side

> > > is slightly different.
> > > If i disconnect the FPGA board and touch the Pin7 of the header at
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> > > I also got the FPGA switch the pin to high level but i did not find
> > > the reason why its just 2.8V level. All the settings in the Quartus
> > > Studio appear to be correct so far. The bank IO voltage pin is
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> > > well to search for the exact position were it does not work ?
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> > > afterwards the NAND gate switching. Somewhere there must be the fault.
> > > You could also try to lift the corresponding pin of the HCT04 and
> > > apply a static high via pullup.
> > >
> > > regards
> > > Mario
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> ,
> > > Sid Boyce wrote:
> > > >
> > > > Thanks Mario,
> > > > Keep me posted as I still have the problem, even with +3.3V
> through 10K
> > > > to U7 pin 12 the FDX LED was still on.
> > > > 73 ... Sid.
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> > > > On 31/01/13 10:32, Mario wrote:
> > > > >
> > > > > Some further investigations from my side so far:
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> > > > > Bypass:
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> > > > > chance to be missunderstood.
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> > > > > the reason why i did not notice that the bypass setting works well
> > > > > although the LED was always off.
> > > > > In addition the solder jumper setting for selecting BU3 (PA
> path) is
> > > > > 2-3 for the filter modules but 1-2 for the bypass path. I did this
> > > > > wrong as well because i did not read the comments ;)
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> signal
> > > > > CCTX in transceiver.v and assigned 1. This signal i connected
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> > > > > CCTX pin. Now the level is always high. Unfortunately it does not
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> > > > > 100% still because the high level (even without any cable
> > > connected to
> > > > > the FPGA board) is just 2.8V. This is not enough to switch the
> > > > > 74HCT245 stable. If i tip the pin at the 74HCT245 i usually
> get over
> > > > > the trip level of the input and the relays switch. So the circuit
> > > > > seems to be ok. Even if i switch static or disconnect the CCTX
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--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

842. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-02 09:58:31 UTC
From: <hgoebkes@...>
Topic: 800 Message: 842
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mario, Hi Sid,

i have also made a firmware with a high programmed CCTX-Line to test with and it works without problems. The definition of Pins in Quartus is a little bit tricky, notonly must the direction and pins defined, also the used logic family and levels have do be defined, so the chance to make it wrong are great
I will talk with Jim and Stefan to set CCTX as output programmed high for the next Firmware update.

#Mario, 2.8Volt @ input of HCT245 is enough to switch to high, logic hi level of HCT245 is >=2.4 Volt.

@Sid: if it helps, you can send the preselector to me to check and repair it, no problem.

73!

Helmut, DB1CC

From: Mario
Sent: Friday, February 01, 2013 8:19 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Re: Preselector problem

Hi Sid,

after my attempt to set the CCTX signal to high was not that successfull i tried to set it to input in order to use the pullup towards 3.3V correctly. Unfortunately the signal was now always low again. So i started my last chance and disconnected the trace close to RN1 on the FPGA board. Now the pullup works and the the FDX function is switched off. I currently do not understand why both things (switching CCTX output high, and switching CCTX to input) do not work. But so far the problem has a workaround for me at this time.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Thanks Mario,
> I shall try troubleshooting from the output of U7 as that would tell
> whether the problem is with CN3/RN5 at the input pin 12 or if output Pin
> 7 is being dragged down.
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> > I also got the FPGA switch the pin to high level but i did not find
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> > Studio appear to be correct so far. The bank IO voltage pin is
> > supplied by 3.3V and the pin is set to 3.3V LVCMOS.
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> > Regarding your problem:
> > Could you try switching the signals with static 3.3V / 0V levels as
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> > If the HCT245 is working properly you should see the HCT04 and
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> > You could also try to lift the corresponding pin of the HCT04 and
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> > > Thanks Mario,
> > > Keep me posted as I still have the problem, even with +3.3V through 10K
> > > to U7 pin 12 the FDX LED was still on.
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> > > > although the LED was always off.
> > > > In addition the solder jumper setting for selecting BU3 (PA path) is
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> > > > wrong as well because i did not read the comments ;)
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> > > > I now know that pins that are not assigned to a signal in the FPGA
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> > > > not have the default direction that is assigned in the CDF file. This
> > > > means that the CCTX pin on my board was stuck at 0 although in the
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> > > > file it was specified with "input with weak pullup". I made a signal
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>

843. Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-02 10:27:25 UTC
From: Mario
Topic: 800 Message: 843

Helmut,

thanks for crosschecking.
Which version of Quartus Studio did you use ?

> the direction and pins defined, also the used logic family and levels have do be defined,

I have set to 3.3V LVCMOS with normal drive strength.

> #Mario, 2.8Volt @ input of HCT245 is enough to switch to high, logic hi level of HCT245 is >=2.4 Volt.

I was assuming that. Most probably i have overseen something here. I just do not know what ;) What i am also wondering is why the signal is still low although i have the pullup connected and the pin switched to input. Probably the 10kOhm is a bit too large depending on the leakage of the pin of the FPGA ? With the FPGA pin disconnected on the FPGA side of RN1 it works. So it must be some current going into the pin. Either i have damaged something in the FPGA output cell or its some leakage current.
I will need to compare the levels with my second setup. But there i have to fix the voltage supply first.

I think for the moment i will proceed with the filters and assembly and return to this topic later.

regards
Mario

844. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-02 12:23:15 UTC
From: Sid Boyce
Topic: 800 Message: 844
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Helmut,
I'll wait for the firmware fix and if there is still a problem, I'll
take up your offer to fix it.
73 ... Sid.

On 02/02/13 09:58, hgoebkes@... wrote:
>
> Hi Mario, Hi Sid,
> i have also made a firmware with a high programmed CCTX-Line to test
> with and it works
> without problems. The definition of Pins in Quartus is a little bit
> tricky, notonly must
> the direction and pins defined, also the used logic family and levels
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> I will talk with Jim and Stefan to set CCTX as output programmed high
> for the next Firmware update.
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> @Sid: if it helps, you can send the preselector to me to check and
> repair it, no problem.
> 73!
> Helmut, DB1CC
>
> *From:* Mario <mailto:dh5ym@...>
> *Sent:* Friday, February 01, 2013 8:19 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* [n2adr-sdr] Re: Preselector problem
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> Hi Sid,
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> after my attempt to set the CCTX signal to high was not that
> successfull i tried to set it to input in order to use the pullup
> towards 3.3V correctly. Unfortunately the signal was now always low
> again. So i started my last chance and disconnected the trace close to
> RN1 on the FPGA board. Now the pullup works and the the FDX function
> is switched off. I currently do not understand why both things
> (switching CCTX output high, and switching CCTX to input) do not work.
> But so far the problem has a workaround for me at this time.
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> regards
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,

> Sid Boyce wrote:
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> > Thanks Mario,
> > I shall try troubleshooting from the output of U7 as that would tell
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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845. Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-06 04:11:33 UTC
From: Graeme
Topic: 845 Message: 845

Hi All,

I have added an automatic band switch facility to QtRadio which some of you may be using. I would be grateful if you could update to the latest master and test to see if it works for you.

I accidentally pushed the work and now master contains some untested code which is not good. I can't test it myself as I have no preselector and don't even have a 10 pin plug to get some flying leads into the HiQSDR board and am reluctant to force wires into the socket.

The filters don't reflect their position into the hardware panel associated with QtRadio yet but the switching will occur (I hope). There is a README_GJ to explain how the hiqsdr.conf is now set up.

73 Graeme ZL2APV

846. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-10 07:37:31 UTC
From: Hubert
Topic: 845 Message: 846

Hello Graeme ZL2APV,
i have running QtRadio master branch with your automatic band switch.
Feel free to test it look for DG7MGY at Quick Server List most of the time my dspserver is running.

QtRadio i not bad but often my dspserver was killed from glSDR users,
TX is not working and the installation of ghpsdr its not easy.
QtRadio use the new QT5 lib and an old libfftw3 also the setup of
dspserver.conf and ssl was difficult.

QtRadio is a realy good concept, receiving runs well.
But QtRadio need some improvements to control glSDR users, transmitting and connection to digitalmode software.
I like to share my HiQSDR but when I have time I would like to even have my own transceiver.

I have add some remarks about dspserver.conf and ssl
to the HiQSDR Wiki.

For working on the hambands i use Quisk, the other time are
running QtRadio to share my HiQSDR.

Thanks for adding the special HiQSDR Code to QtRadio.

73 de DG7MGY Hubert
Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m

--- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
>
> Hi All,
>
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> I accidentally pushed the work and now master contains some untested code which is not good. I can't test it myself as I have no preselector and don't even have a 10 pin plug to get some flying leads into the HiQSDR board and am reluctant to force wires into the socket.
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> 73 Graeme ZL2APV
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847. Re: [n2adr-sdr] Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-10 09:58:32 UTC
From: Sid Boyce
Topic: 845 Message: 847

Hi Hubert,
Thanks for sharing your experience.

I did find setting up dspserver.conf for ssl was a problem.
There is quite a lot to do initially to get ghpsdr3-alex working but
once set up there is no problem.

With dspserver exiting that has not happened to me since using the
dsploop script.

```
----------------------- CUT ----------------------------------
#!/bin/sh
while [ 1 ]
do
dspserver --share --lo 0 --nocorrectiq
sleep 5
done
---------------------- CUT ----------------------------------
```

The MASTER button is also excellent in taking control from a number of
nuisance glSDR users who know nothing of the ham bands or what a signal
is and who as master will park the rig in open space, on a MW broadcast
station, selecting AM, FM or the wrong sideband in the SSB portion of
the bands or even select VHF/UHF frequencies.
73 ... Sid.

On 10/02/13 07:37, Hubert wrote:
>
>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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848. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-10 17:55:58 UTC
From: Hubert
Topic: 845 Message: 848

Hello Sid,
thats right it is a good temprary solution.

QtRadio make great steps and from week to week they
do a lot of work. If you have experience with Linux
now you have no problem to compile and run QtRadio.
As new User and the different libs its not so easy
to handle it, if you follow the ghpsdr3-alex wiki
now you got it.

For me it is important QtRadio to got transmit function
to work in ssb and digital mode.

73 de DG7MGY Hubert

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>
> Hi Hubert,
> Thanks for sharing your experience.
>
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> 73 ... Sid.
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>
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> >
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> > running QtRadio to share my HiQSDR.
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> > Thanks for adding the special HiQSDR Code to QtRadio.
> >
> > 73 de DG7MGY Hubert
> > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> >
> > --- In n2adr-sdr@yahoogroups.com ,
> > "Graeme" wrote:
> > >
> > > Hi All,
> > >
> > > I have added an automatic band switch facility to QtRadio which some
> > of you may be using. I would be grateful if you could update to the
> > latest master and test to see if it works for you.
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> > > I accidentally pushed the work and now master contains some untested
> > code which is not good. I can't test it myself as I have no
> > preselector and don't even have a 10 pin plug to get some flying leads
> > into the HiQSDR board and am reluctant to force wires into the socket.
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> > > The filters don't reflect their position into the hardware panel
> > associated with QtRadio yet but the switching will occur (I hope).
> > There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > >
> > > 73 Graeme ZL2APV
> > >
> >
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>
>
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>

849. Re: [n2adr-sdr] Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-10 20:25:44 UTC
From: Sid Boyce
Topic: 845 Message: 849

Of course you need TX which I have not been able to try as I am having a problem with the FDX LED permanently on that looks like the same problem Mario is having.

Helmut has promised a FPGA update to pull Pin 57 High. If that fixes it, AOK, if not I'll send it for him to repair.

I am seeing +3.29V on the X2 end of R51 and +0.29V only on the other end of R51.
73 ... Sid.

On 10/02/13 17:55, Hubert wrote:
>
> Hello Sid,
> thats right it is a good temprary solution.
>
> QtRadio make great steps and from week to week they
> do a lot of work. If you have experience with Linux
> now you have no problem to compile and run QtRadio.
> As new User and the different libs its not so easy
> to handle it, if you follow the ghpsdr3-alex wiki
> now you got it.
>
> For me it is important QtRadio to got transmit function
> to work in ssb and digital mode.
>
> 73 de DG7MGY Hubert
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > Hi Hubert,
> > Thanks for sharing your experience.
> >
> > I did find setting up dspserver.conf for ssl was a problem.
> > There is quite a lot to do initially to get ghpsdr3-alex working but
> > once set up there is no problem.
> >
> > With dspserver exiting that has not happened to me since using the
> > dsploop script.
> > ------------------------ CUT ----------------------------------
> > #!/bin/sh
> > while [1]
> > do
> > dspserver --share --lo 0 --nocorrectiq
> > sleep 5

> > done
> > ---------- CUT ----------
> >
> > The MASTER button is also excellent in taking control from a number of
> > nuisance glSDR users who know nothing of the ham bands or what a signal
> > is and who as master will park the rig in open space, on a MW broadcast
> > station, selecting AM, FM or the wrong sideband in the SSB portion of
> > the bands or even select VHF/UHF frequencies.
> > 73 ... Sid.
> >
> >
> > On 10/02/13 07:37, Hubert wrote:
> > >
> > >
> > >
> > > Hello Graeme ZL2APV,
> > > i have running QtRadio master branch with your automatic band switch.
> > > Feel free to test it look for DG7MGY at Quick Server List most of the
> > > time my dspserver is running.
> > >
> > > QtRadio i not bad but often my dspserver was killed from glSDR users,
> > > TX is not working and the installation of ghpsdr its not easy.
> > > QtRadio use the new QT5 lib and an old libfftw3 also the setup of
> > > dspserver.conf and ssl was difficult.
> > >
> > > QtRadio is a realy good concept, receiving runs well.
> > > But QtRadio need some improvements to control glSDR users,
> > > transmitting and connection to digitalmode software.
> > > I like to share my HiQSDR but when I have time I would like to even
> > > have my own transceiver.
> > >
> > > I have add some remarks about dspserver.conf and ssl
> > > to the HiQSDR Wiki.
> > >
> > > For working on the hambands i use Quisk, the other time are
> > > running QtRadio to share my HiQSDR.
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> > > Thanks for adding the special HiQSDR Code to QtRadio.
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> > > 73 de DG7MGY Hubert
> > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> ,
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> > > associated with QtRadio yet but the switching will occur (I hope).
> > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
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> > > > 73 Graeme ZL2APV
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850. Re: update: qsdr and fpga

Yahoo group: n2adr-sdr
Date: 2013-02-10 21:47:25 UTC
From: dl2stg
Topic: 820 Message: 850

Hi,

i have made a new update for the FPGA. The transmitter now supports samplerates 48k, 192k, 480k and 960k. It is nice to record the full 80m band with gnuradio and transmit it later again or made some experiments with wideband modulations. Please update gr-hisdr to use the new feature. The image is compatible to the old one and older software should run without changes.

QSdr has also a update: 8 (or more, it is a #define) independent VFOs and some fixes.

73
Stefan, DL2STG

851. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-12 07:13:17 UTC
From: Graeme
Topic: 845 Message: 851

Hi Hubert,

I am glad my changes to hiqsdr server in QtRadio were useful for you. I also miss not being able to transmit and you can be sure that the facility will be added in the near future. I am a very new C++ programmer and not experienced so I take much longer than the experts to get things going and it is likely that someone else will get transmit going before me. I use glsdr from my cell phone and of course not being able to switch the filters automatically was a big problem. I still have more work to finish the auto switching like seeing the filter change reflected back into QtRadio's panel and a utility to enter the filter corners so it will write your .cfg file.

More to come in the future.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
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>
>
> Hello Graeme ZL2APV,
> i have running QtRadio master branch with your automatic band switch.
> Feel free to test it look for DG7MGY at Quick Server List most of the time my dspserver is running.
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> TX is not working and the installation of ghpsdr its not easy.
> QtRadio use the new QT5 lib and an old libfftw3 also the setup of
> dspserver.conf and ssl was difficult.
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> QtRadio is a realy good concept, receiving runs well.
> But QtRadio need some improvements to control glSDR users, transmitting and connection to digitalmode software.
> I like to share my HiQSDR but when I have time I would like to even have my own transceiver.
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> I have add some remarks about dspserver.conf and ssl
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> For working on the hambands i use Quisk, the other time are
> running QtRadio to share my HiQSDR.
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> Thanks for adding the special HiQSDR Code to QtRadio.
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> --- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
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> > I accidentally pushed the work and now master contains some untested code which is not good. I can't test it myself as I have no preselector and don't even have a 10 pin plug to get some flying leads into the HiQSDR board and am reluctant to force wires into the socket.
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> > The filters don't reflect their position into the hardware panel associated with QtRadio yet but the switching will occur (I hope). There is a README_GJ to explain how the hiqsdr.conf is now set up.
> >
> > 73 Graeme ZL2APV
> >
>

852. Re: [n2adr-sdr] Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-12 15:09:34 UTC
From: Sid Boyce
Topic: 845 Message: 852

Great work so far Graeme.
By removing the 60M in hiqsdr.cfg and sliding down the filter numbers so that 40m is filter 3 instead of 4, etc.etc. works fine.
73 ... Sid.

On 12/02/13 07:13, Graeme wrote:
>
> Hi Hubert,
>
> I am glad my changes to hiqsdr server in QtRadio were useful for you.
> I also miss not being able to transmit and you can be sure that the
> facility will be added in the near future. I am a very new C++
> programmer and not experienced so I take much longer than the experts
> to get things going and it is likely that someone else will get
> transmit going before me. I use glsdr from my cell phone and of course
> not being able to switch the filters automatically was a big problem.
> I still have more work to finish the auto switching like seeing the
> filter change reflected back into QtRadio's panel and a utility to
> enter the filter corners so it will write your .cfg file.
>
> More to come in the future.
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Hubert" wrote:
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> > Hello Graeme ZL2APV,
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> > Feel free to test it look for DG7MGY at Quick Server List most of
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> > TX is not working and the installation of ghpsdr its not easy.
> > QtRadio use the new QT5 lib and an old libfftw3 also the setup of
> > dspserver.conf and ssl was difficult.
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> > QtRadio is a realy good concept, receiving runs well.
> > But QtRadio need some improvements to control glSDR users,
> transmitting and connection to digitalmode software.
> > I like to share my HiQSDR but when I have time I would like to even
> have my own transceiver.
> >

> > I have add some remarks about dspserver.conf and ssl
> > to the HiQSDR Wiki.
> >
> > For working on the hambands i use Quisk, the other time are
> > running QtRadio to share my HiQSDR.
> >
> > Thanks for adding the special HiQSDR Code to QtRadio.
> >
> > 73 de DG7MGY Hubert
> > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> >
> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "Graeme" wrote:
> > >
> > > Hi All,
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> some of you may be using. I would be grateful if you could update to
> the latest master and test to see if it works for you.
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> > > I accidentally pushed the work and now master contains some
> untested code which is not good. I can't test it myself as I have no
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> > > The filters don't reflect their position into the hardware panel
> associated with QtRadio yet but the switching will occur (I hope).
> There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > >
> > > 73 Graeme ZL2APV
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>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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853. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-12 20:58:51 UTC
From: Graeme
Topic: 845 Message: 853

Hi Sid,

As my HiQSDR preselector is under construction and will not use the same filter set as the official preselector I am unable to do the testing myself and am very grateful to you and Hubert for your reports. I will be very pleased when your preselector problems are sorted even if it is because you are a very good test bed but limited at present hi hi.

Now that I know there is no 60 M filters I have altered the subroutine which creates the .cfg file to use the filter numbers as you have done Sid and will push them soon.

I would like to get the corner frequencies of the standard filters or see a set of curves for them so that I can use the actual frequencies to switch in the filters rather than the band edges allocated to ZL which is pretty close to the rest of the world. If anyone has the curves or corner frequencies could you please upload them to the "files" section of the list as I am sure they will be of interest to others.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
> Great work so far Graeme.
> By removing the 60M in hiqsdr.cfg and sliding down the filter numbers so
> that 40m is filter 3 instead of 4, etc.etc. works fine.
> 73 ... Sid.
>
> On 12/02/13 07:13, Graeme wrote:
> >
> > Hi Hubert,
> >
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> > I also miss not being able to transmit and you can be sure that the
> > facility will be added in the near future. I am a very new C++
> > programmer and not experienced so I take much longer than the experts
> > to get things going and it is likely that someone else will get
> > transmit going before me. I use glsdr from my cell phone and of course
> > not being able to switch the filters automatically was a big problem.
> > I still have more work to finish the auto switching like seeing the
> > filter change reflected back into QtRadio's panel and a utility to
> > enter the filter corners so it will write your .cfg file.
> >
> > More to come in the future.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com ,
> > "Hubert" wrote:

> > >
> > >
> > >
> > > Hello Graeme ZL2APV,
> > > i have running QtRadio master branch with your automatic band switch.
> > > Feel free to test it look for DG7MGY at Quick Server List most of
> > the time my dspserver is running.
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> > > TX is not working and the installation of ghpsdr its not easy.
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> > > 73 de DG7MGY Hubert
> > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
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854. Re: [n2adr-sdr] Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-12 23:32:41 UTC
From: Sid Boyce
Topic: 845 Message: 854

Hi Graeme,
I can't TX at present so I have no BPF measurements.
I don't know if you still have problems accessing the site.
---
http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Module
HiQSDR Preselector Filter Module

Band Filter Module
The filter modules are built on a precutted PCB panel, which can be
broken out and plugged into the HiQSDR-Module after assembling.
The module connectors holds also control signals and supply voltages to
allow active filters and active parts like transverters a.s.o. to built
on the filter modules.
The filter modules contains three or five pole filter structures
designed for minimal loss in passband and maximal damping outside the
band. The filter structures are designed in the lower bands as 3-pole
Chebyshev with a tapped middle coil that allows to spare one core per
filter.
The bandwith of each filter is selected that minimum loss and minimum
ripple are reached together with maximum attenuation of out-of-band
signals. The critical low bands are specially designed: the 160m-module
is a 5-pole chebyshev filter in tubular construction with ripple less
than 1dB and a bandwidth of only 250kHz.
The attenuation of signals outside the passband is more than 60dB at a
offset of 300kHz.
The other two critical bands 40m and 80m has two different modules
available at the filter panel:
One is designed as 3-pole Chebyshev-filter for minimal loss within the
passband (< 0.3dB) and as 3-pole Cauer-filter with controlled stop-bands
at the lower and higher neighbor bands (< -60dB) to be contest proof but
has slightly higher passband damping.
All filter calculations are done with the professional Filter design
program "Filter Solutions 2012" from NUSOFT and verified and simulated
with the AAA-Filter designer and practically tested with a HP 8752A
Network analyser.
The match between theory and pratical filter behaviour was nearly 99% (!)
In the following pictures you see the typical filter curve of the
30m-Bandpass filter of the 3-pole Chebyshev filter module.

---
73 ... Sid.

On 12/02/13 20:58, Graeme wrote:
>
> Hi Sid,

>
> As my HiQSDR preselector is under construction and will not use the
> same filter set as the official preselector I am unable to do the
> testing myself and am very grateful to you and Hubert for your
> reports. I will be very pleased when your preselector problems are
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> at present hi hi.
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> Now that I know there is no 60 M filters I have altered the subroutine
> which creates the .cfg file to use the filter numbers as you have done
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855. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-13 01:04:18 UTC
From: Graeme
Topic: 845 Message: 855

Hi Sid,

Yes I am aware of the problem you and Mario have and will be very pleased when it is resolved.

I can access the hiqsdr.com site via a tunnel but have to suffer a lot of advertisements to use it. I would like the exact curves of the filters, as for example on 80M I switch from the through filter at 3.5 MHz to the 80M filter and at 4.0 MHz I switch back to the through filter. If I knew that the filter had its edges at say 3.4 and 4.1 MHz then I would alter the default setting for this.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
>
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856. Re: [n2adr-sdr] Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-13 01:18:27 UTC
From: Sid Boyce
Topic: 845 Message: 856

There is only the one for 40m at the URL I gave.
I don't know if Helmut has others that he has not published.
73 ... Sid.

On 13/02/13 01:04, Graeme wrote:
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857. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-13 06:25:45 UTC
From: Hubert
Topic: 845 Message: 857

Hello Grame and Sid,
my filter board setup with the bandedges.

Bank 0 Bypass
Bank 1 160m : 1800000 - 2000000
Bank 2 80m : 3500000 - 3800000
Bank 3 40m : 7000000 - 7200000
Bank 4 30m : 100000 - 10150000
Bank 5 20m : 14000000 - 14350000
Bank 6 17m : 18068000 - 18168000
Bank 7 15m : 21000000 - 21450000
Bank 8 12m : 24890000 - 24990000
Bank 9 10m : 28000000 - 29700000
Bank 10 6m : 50000000 - 54000000
Bank 11 40Xm : 7000000 - 7200000
Bank 12 80Xm : 3500000 - 38000000

80X and 40X are special filters.

We have some filter simulations done with QucsStudio,
i will put these Files as PDF to www.hiqsdr.org.

73 de DG7MGY Hubi

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> > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>

858. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-14 03:34:44 UTC
From: Graeme
Topic: 845 Message: 858

Hi Hubert,

Thanks for the information. I will make the default filters to match your set except the bank 11 and bank 12 filters will need something to select them rather than the bank 2 and 3 when you want "contest filters". I will wait until you post your .pdf with the passband plots and finish the job then.

Danke sehr,

Graeme

--- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
>
> Hello Grame and Sid,
> my filter board setup with the bandedges.
>
> Bank 0 Bypass
> Bank 1 160m : 1800000 - 2000000
> Bank 2 80m : 3500000 - 3800000
> Bank 3 40m : 7000000 - 7200000
> Bank 4 30m : 100000 - 10150000
> Bank 5 20m : 14000000 - 14350000
> Bank 6 17m : 18068000 - 18168000
> Bank 7 15m : 21000000 - 21450000
> Bank 8 12m : 24890000 - 24990000
> Bank 9 10m : 28000000 - 29700000
> Bank 10 6m : 50000000 - 54000000
> Bank 11 40Xm : 7000000 - 7200000
> Bank 12 80Xm : 3500000 - 38000000
>
> 80X and 40X are special filters.
>
> We have some filter simulations done with QucsStudio,
> i will put these Files as PDF to www.hiqsdr.org.
>
> 73 de DG7MGY Hubi
>
> --- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
> >
> > Hi Sid,
> >
> > Yes I am aware of the problem you and Mario have and will be very pleased when it is resolved.
> >
> > I can access the hiqsdr.com site via a tunnel but have to suffer a lot of advertisements to use it. I would like the exact curves of the filters, as for example on

80M I switch from the through filter at 3.5 MHz to the 80M filter and at 4.0 MHz I switch back to the through filter. If I knew that the filter had its edges at say 3.4 and 4.1 MHz then I would alter the default setting for this.
> >
> > 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
> > >
> > > Hi Graeme,
> > > I can't TX at present so I have no BPF measurements.
> > > I don't know if you still have problems accessing the site.
> > >

> > > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Module
> > > HiQSDR Preselector Filter Module
> > >
> > > Band Filter Module
> > > The filter modules are built on a precutted PCB panel, which can be
> > > broken out and plugged into the HiQSDR-Module after assembling.
> > > The module connectors holds also control signals and supply voltages to
> > > allow active filters and active parts like transverters a.s.o. to built
> > > on the filter modules.
> > > The filter modules contains three or five pole filter structures
> > > designed for minimal loss in passband and maximal damping outside the
> > > band. The filter structures are designed in the lower bands as 3-pole
> > > Chebyshev with a tapped middle coil that allows to spare one core per
> > > filter.
> > > The bandwith of each filter is selected that minimum loss and minimum
> > > ripple are reached together with maximum attenuation of out-of-band
> > > signals. The critical low bands are specially designed: the 160m-module
> > > is a 5-pole chebyshev filter in tubular construction with ripple less
> > > than 1dB and a bandwidth of only 250kHz.
> > > The attenuation of signals outside the passband is more than 60dB at a
> > > offset of 300kHz.
> > > The other two critical bands 40m and 80m has two different modules
> > > available at the filter panel:
> > > One is designed as 3-pole Chebyshev-filter for minimal loss within the
> > > passband (< 0.3dB) and as 3-pole Cauer-filter with controlled stop-bands
> > > at the lower and higher neighbor bands (< -60dB) to be contest proof but
> > > has slightly higher passband damping.
> > > All filter calculations are done with the professional Filter design
> > > program "Filter Solutions 2012" from NUSOFT and verified and simulated
> > > with the AAA-Filter designer and practically tested with a HP 8752A
> > > Network analyser.
> > > The match between theory and pratical filter behaviour was nearly 99% (!)
> > > In the following pictures you see the typical filter curve of the
> > > 30m-Bandpass filter of the 3-pole Chebyshev filter module.
> > > ---

> > > 73 ... Sid.
> > >

> > > On 12/02/13 20:58, Graeme wrote:
> > > >
> > > > Hi Sid,
> > > >
> > > > As my HiQSDR preselector is under construction and will not use the
> > > > same filter set as the official preselector I am unable to do the
> > > > testing myself and am very grateful to you and Hubert for your
> > > > reports. I will be very pleased when your preselector problems are
> > > > sorted even if it is because you are a very good test bed but limited
> > > > at present hi hi.
> > > >
> > > > Now that I know there is no 60 M filters I have altered the subroutine
> > > > which creates the .cfg file to use the filter numbers as you have done
> > > > Sid and will push them soon.
> > > >
> > > > I would like to get the corner frequencies of the standard filters or
> > > > see a set of curves for them so that I can use the actual frequencies
> > > > to switch in the filters rather than the band edges allocated to ZL
> > > > which is pretty close to the rest of the world. If anyone has the
> > > > curves or corner frequencies could you please upload them to the
> > > > "files" section of the list as I am sure they will be of interest to
> > > > others.
> > > >
> > > > 73 Graeme ZL2APV
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com ,
> > > > Sid Boyce wrote:
> > > > >
> > > > > Great work so far Graeme.
> > > > > By removing the 60M in hiqsdr.cfg and sliding down the filter
> > > > numbers so
> > > > > that 40m is filter 3 instead of 4, etc.etc. works fine.
> > > > > 73 ... Sid.
> > > > >
> > > > > On 12/02/13 07:13, Graeme wrote:
> > > > > >
> > > > > > Hi Hubert,
> > > > > >
> > > > > > I am glad my changes to hiqsdr server in QtRadio were useful for you.
> > > > > > I also miss not being able to transmit and you can be sure that the
> > > > > > facility will be added in the near future. I am a very new C++
> > > > > > programmer and not experienced so I take much longer than the experts
> > > > > > to get things going and it is likely that someone else will get
> > > > > > transmit going before me. I use glsdr from my cell phone and of
> > > > course
> > > > > > not being able to switch the filters automatically was a big problem.
> > > > > > I still have more work to finish the auto switching like seeing the
> > > > > > filter change reflected back into QtRadio's panel and a utility to
> > > > > > enter the filter corners so it will write your .cfg file.
> > > > > >

> > > > > > More to come in the future.
> > > > > >
> > > > > > 73 Graeme ZL2APV
> > > > > >
> > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > ,
> > > > > > "Hubert" wrote:
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > > Hello Graeme ZL2APV,
> > > > > > > i have running QtRadio master branch with your automatic band
> > > > switch.
> > > > > > > Feel free to test it look for DG7MGY at Quick Server List most of
> > > > > > the time my dspserver is running.
> > > > > > >
> > > > > > > QtRadio i not bad but often my dspserver was killed from glSDR
> > > > users,
> > > > > > > TX is not working and the installation of ghpsdr its not easy.
> > > > > > > QtRadio use the new QT5 lib and an old libfftw3 also the setup of
> > > > > > > dspserver.conf and ssl was difficult.
> > > > > > >
> > > > > > > QtRadio is a realy good concept, receiving runs well.
> > > > > > > But QtRadio need some improvements to control glSDR users,
> > > > > > transmitting and connection to digitalmode software.
> > > > > > > I like to share my HiQSDR but when I have time I would like to even
> > > > > > have my own transceiver.
> > > > > > >
> > > > > > > I have add some remarks about dspserver.conf and ssl
> > > > > > > to the HiQSDR Wiki.
> > > > > > >
> > > > > > > For working on the hambands i use Quisk, the other time are
> > > > > > > running QtRadio to share my HiQSDR.
> > > > > > >
> > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
> > > > > > >
> > > > > > > 73 de DG7MGY Hubert
> > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> > > > > > >
> > > > > > > --- In n2adr-sdr@...m
> > > > > >
> > > > > > , "Graeme" wrote:
> > > > > > > >
> > > > > > > Hi All,
> > > > > > > >
> > > > > > > I have added an automatic band switch facility to QtRadio which
> > > > > > some of you may be using. I would be grateful if you could update to
> > > > > > the latest master and test to see if it works for you.
> > > > > > > >
> > > > > > > I accidentally pushed the work and now master contains some

> > > > > > untested code which is not good. I can't test it myself as I have no
> > > > > > preselector and don't even have a 10 pin plug to get some flying
> > > > leads
> > > > > > into the HiQSDR board and am reluctant to force wires into the socket.
> > > > > > > >
> > > > > > > > The filters don't reflect their position into the hardware panel
> > > > > > associated with QtRadio yet but the switching will occur (I hope).
> > > > > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > > > > > > >
> > > > > > > > 73 Graeme ZL2APV
> > > > > > > >
> > > > > > >
> > > > > >
> > > > > >
> > > > >
> > > > >
> > > > > --
> > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
>

859. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2013-02-14 03:43:06 UTC
From: Sid Boyce
Topic: 732 Message: 859

Hi Mario,
I have the mali400 drivers installed on the ODROID-X (ARM) and included the 2 lines for wx 2.8 in quisk.py.
I get the same errors whether I have
"bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)" which used to cure the errors or
"bmp = wx.BitmapFromBuffer(len(row) / 4, 1, row)" which used to exhibit the same problem.

The difference I now get no waterfall or spectrum.
If I click on waterfall I get the graph.
Obviously something in the mali400 driver has caused that to happen.

However I get good sound now but there are white noise pulses.
I don't know if you can spot anything - long shot I know.

File "quisk.py", line 1474, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
File "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line 856, in BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line 14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw))
File "quisk.py", line 3314, in OnReadSound
self.screen.OnGraphData(data) # Send message to draw new data
File "quisk.py", line 1533, in OnGraphData
self.pane2.OnGraphData(data)
File "quisk.py", line 1563, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1474, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
File "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line 856, in BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.
73 ... Sid.

On 19/11/12 07:19, Mario wrote:
>

> Hi Sid,
>
> from the trace i think thats a problem with withing python-wxgtk
> itself. At least if i understand it correct with my limited
> programming skills.
>
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
> > 856, in BitmapFromBuffer
> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
> > RuntimeError: Failed to gain raw access to bitmap data.
>
> What plattform is the ODROID-X ? Probably there is already a bug
> report or a patch there.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I don't have that problem on the x86_64 but I thought it might have
> > fixed the problem on the ODROID-X which it doesn't.
> > RuntimeError: Failed to gain raw access to bitmap data.
> > Traceback (most recent call last):
> > File
> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line
> > 14665, in <lambda>
> > lambda event: event.callable(*event.args, **event.kw))
> > File "quisk.py", line 3090, in OnReadSound
> > self.waterfall.OnGraphData(data) # save waterfall data
> > File "quisk.py", line 1388, in OnGraphData
> > self.pane2.OnGraphData(data)
> > File "quisk.py", line 1416, in OnGraphData
> > self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
> > File "quisk.py", line 1329, in OnGraphData
> > bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
> > File
> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
> > 856, in BitmapFromBuffer
> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
> > RuntimeError: Failed to gain raw access to bitmap data.
> > Traceback (most recent call last):
> > File
> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line
> > 14665, in <lambda>
> > lambda event: event.callable(*event.args, **event.kw))
> > File "quisk.py", line 3090, in OnReadSound
> > self.waterfall.OnGraphData(data) # save waterfall data

> > File "quisk.py", line 1388, in OnGraphData
> > self.pane2.OnGraphData(data)
> > File "quisk.py", line 1416, in OnGraphData
> > self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
> > File "quisk.py", line 1329, in OnGraphData
> > bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)
> > File
> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_gdi.py", line
> > 856, in BitmapFromBuffer
> > return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
> > RuntimeError: Failed to gain raw access to bitmap data.
> > Traceback (most recent call last):
> > File
> > "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line
> > 14665, in <lambda>
> > lambda event: event.callable(*event.args, **event.kw))
> > File "quisk.py", line 3090, in OnReadSound
> >
> > root@ODROID-X_G3VBV:/opt/quisk-3.6.5# dpkg -l|grep wx
> > ii libwxbase2.6-0 2.6.3.2.2-5ubuntu4 wxBase
> > library (runtime) - non-GUI support classes of wxWidgets toolkit
> > ii libwxbase2.8-0 2.8.12.1-6ubuntu2 wxBase
> > library (runtime) - non-GUI support classes of wxWidgets toolkit
> > ii libwxbase2.8-dev 2.8.12.1-6ubuntu2 wxBase
> > library (development) - non-GUI support classes of wxWidgets toolkit
> > ii libwxgtk2.6-0 2.6.3.2.2-5ubuntu4 wxWidgets
> > Cross-platform C++ GUI toolkit (GTK+ runtime)
> > ii libwxgtk2.8-0 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (GTK+ runtime)
> > ii libwxgtk2.8-dev 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (GTK+ development)
> > ii python-pythoncard 0.8.2-2
> > wxPython-based GUI construction framework (underlying Python libraries)
> > ii python-wxgtk2.8 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (wxPython binding)
> > ii python-wxtools 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (wxPython common files)
> > ii python-wxversion 2.8.12.1-6ubuntu2
> > wxWidgets Cross-platform C++ GUI toolkit (wxPython version selector)
> > ii wx-common 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (common support files)
> > ii wx2.8-headers 2.8.12.1-6ubuntu2 wxWidgets
> > Cross-platform C++ GUI toolkit (header files)
> >
> > 73 ... Sid.
> > On 18/11/12 20:21, Mario wrote:
> > >
> > > On my laptop with Ubuntu 12.04 LTS i have a issue that quisk 3.6.5
> > > does not start. It complains about missing python-wxgtk although

> > > python-wxgtk2.8 is installed.
> > > Obviously python tries to import another version.
> > > There is a method to force python to use version 2.8.
> > > In quisk.py before the line with "import wx"
> > > two lines need to be added:
> > > "import wxversion" and
> > > "wxversion.select('2.8')"
> > > After that Quisk started on my laptop. On my Ubuntu12.10 x64 system
> > > this was not necessary.
> > > Just in case someone else has the same issue.
> > >
> > > regards
> > > Mario
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>
>

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860. Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2013-02-14 08:45:30 UTC
From: Mario
Topic: 732 Message: 860

Hi Sid,

seems the problem you have is different from selecting the correct WxGTK version on my system.
Your problem seems to be somehow specific on the ARM platform.
I think it did also not work without these two lines, correct ?

regards
Mario

861. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2013-02-14 15:21:27 UTC
From: Sid Boyce
Topic: 732 Message: 861

With or without the 2 lines it works exactly the same.
Previously it worked with
"bmp = wx.BitmapFromBuffer(len(row) / 3, 1, row)"
as ARM is said not to be capable of 32 bpp

I'll try an opengl branch as QtRadio may benefit from fully using the
mali400 driver.
dpkg -S /usr/lib/libGLESv2.so.2.0
mali400: /usr/lib/libGLESv2.so.2.0
73 ... Sid.

On 14/02/13 08:45, Mario wrote:
>
> Hi Sid,
>
> seems the problem you have is different from selecting the correct
> WxGTK version on my system.
> Your problem seems to be somehow specific on the ARM platform.
> I think it did also not work without these two lines, correct ?
>
> regards
> Mario
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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862. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-14 18:07:33 UTC
From: Hubert
Topic: 845 Message: 862

Hello Graeme,
did you have seen the filter plots from Helmut?
http://groups.yahoo.com/group/n2adr-sdr-deutsch/files/DB1CC/HiQSDR%20Preselektor/HiQSDR%20Preselektor%20Filter/

I will draw the filters this weekend with QucsStudio from
DD6UM Michael Margraf
http://www.mydarc.de/dd6um/QucsStudio/qucsstudio.html

As next upload the files to the hiqsdr wiki as pdf and as
QucsStudio files now it is easy to simulate the filter.

Now my hiqsdr.cfg with bandedges

```
#
# HiQSDR preselector configuration file template
#
0!0!FILTER BYPASS
1!1800000!160 M
0!2000000!FILTER BYPASS
2!3500000!80 M
0!3800000!FILTER BYPASS
3!7000000!40 M
0!7200000!FILTER BYPASS
4!10100000!30M
0!10150000!FILTER BYPASS
5!14000000!20 M
0!14350000!FILTER BYPASS
6!18068000!17 M
0!18168000!FILTER BYPASS
7!21000000!15 M
0!21450000!FILTER BYPASS
8!24890000!12 M
0!24990000!FILTER BYPASS
9!28000000!10 M
0!29700000!FILTER BYPASS
10!50000000!6 M
0!54000000!FILTER BYPASS
11!7000000!6 M
0!7200000!FILTER BYPASS
12!3500000!6 M
0!3800000!FILTER BYPASS
```

QtRadio works well with this setup.

Best regards
73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
>
> Hi Hubert,
>
> Thanks for the information. I will make the default filters to match your set except the bank 11 and bank 12 filters will need something to select them rather than the bank 2 and 3 when you want "contest filters". I will wait until you post your .pdf with the passband plots and finish the job then.
>
> Danke sehr,
>
> Graeme
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
> >
> > Hello Grame and Sid,
> > my filter board setup with the bandedges.
> >
> > Bank 0 Bypass
> > Bank 1 160m : 1800000 - 2000000
> > Bank 2 80m : 3500000 - 3800000
> > Bank 3 40m : 7000000 - 7200000
> > Bank 4 30m : 100000 - 10150000
> > Bank 5 20m : 14000000 - 14350000
> > Bank 6 17m : 18068000 - 18168000
> > Bank 7 15m : 21000000 - 21450000
> > Bank 8 12m : 24890000 - 24990000
> > Bank 9 10m : 28000000 - 29700000
> > Bank 10 6m : 50000000 - 54000000
> > Bank 11 40Xm : 7000000 - 7200000
> > Bank 12 80Xm : 3500000 - 38000000
> >
> > 80X and 40X are special filters.
> >
> > We have some filter simulations done with QucsStudio,
> > i will put these Files as PDF to www.hiqsdr.org.
> >
> > 73 de DG7MGY Hubi
> >
> > --- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
> > >
> > > Hi Sid,
> > >
> > > Yes I am aware of the problem you and Mario have and will be very pleased when it is resolved.
> > >
> > > I can access the hiqsdr.com site via a tunnel but have to suffer a lot of advertisements to use it. I would like the exact curves of the filters, as for example on 80M I switch from the through filter at 3.5 MHz to the 80M filter and at 4.0 MHz I switch back to the through filter. If I knew that the filter had its edges at say 3.4 and 4.1 MHz then I would alter the default setting for this.

> > >
> > > 73 Graeme
> > >
> > > --- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
> > > >
> > > > Hi Graeme,
> > > > I can't TX at present so I have no BPF measurements.
> > > > I don't know if you still have problems accessing the site.
> > > >

> > > > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Module
> > > > HiQSDR Preselector Filter Module
> > > >
> > > > Band Filter Module
> > > > The filter modules are built on a precutted PCB panel, which can be
> > > > broken out and plugged into the HiQSDR-Module after assembling.
> > > > The module connectors holds also control signals and supply voltages to
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> > > > All filter calculations are done with the professional Filter design
> > > > program "Filter Solutions 2012" from NUSOFT and verified and simulated
> > > > with the AAA-Filter designer and practically tested with a HP 8752A
> > > > Network analyser.
> > > > The match between theory and pratical filter behaviour was nearly 99% (!)
> > > > In the following pictures you see the typical filter curve of the
> > > > 30m-Bandpass filter of the 3-pole Chebyshev filter module.
> > > > ---

> > > > 73 ... Sid.
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> > > > On 12/02/13 20:58, Graeme wrote:
> > > > >

> > > > > Hi Sid,
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> > > > > same filter set as the official preselector I am unable to do the
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> > > > > at present hi hi.
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> > > > > Now that I know there is no 60 M filters I have altered the subroutine
> > > > > which creates the .cfg file to use the filter numbers as you have done
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> > > > > see a set of curves for them so that I can use the actual frequencies
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> > > > > which is pretty close to the rest of the world. If anyone has the
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> > > > > 73 Graeme ZL2APV
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> > > > > > Great work so far Graeme.
> > > > > > By removing the 60M in hiqsdr.cfg and sliding down the filter
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> > > > > > > > >
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> > > > > > > > > i have running QtRadio master branch with your automatic band
> > > > > > switch.
> > > > > > > > > Feel free to test it look for DG7MGY at Quick Server List most of
> > > > > > > > the time my dspserver is running.
> > > > > > > > >
> > > > > > > > > QtRadio i not bad but often my dspserver was killed from glSDR
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> > > > > > > > > For working on the hambands i use Quisk, the other time are
> > > > > > > > > running QtRadio to share my HiQSDR.
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> > > > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
> > > > > > > > >
> > > > > > > > > 73 de DG7MGY Hubert
> > > > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
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> > > > > > > > preselector and don't even have a 10 pin plug to get some flying

> > > > > leads
> > > > > > > > into the HiQSDR board and am reluctant to force wires into the socket.
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> > > > > > > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
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> > > > > > > > > > 73 Graeme ZL2APV
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> > > > > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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863. Re: Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2013-02-15 12:52:47 UTC
From: Mario
Topic: 717 Message: 863

Hi Jim,

yesterday evening i tried to get your Rfgain function working here but was not successful. I copied the section with the rfgain from your quisk_hardware.py and also inserted the call for the function. Unfortunately i seem to miss something and it had no effect. Or do i have to type "make" again before it takes effect ?

Another thing i tried was to get DRM reception operational again.
Unfortunately the current version of Dream does not work with alsa but just with pulseaudio. So i tried to send the digital audio to pulse but if i start Quisk then it immediately stops operation.
I changed back to alsa loopback and tried to send the normal audio via pulse and that worked. Now i was able to attach Dream to the normal audio and was able to receive DRM. I just had to output the audio of Dream to a different audio port.
Its just not clear to me why the audio stops if i try to output digital audio to pulse.

One minor thing: Is it possible to make the Mute button just to have impact on the normal audio output and not on the digital audio ?
Sometimes i just do not want to hear the digital signals ;)

Overall quisk works really nice ! Many thanks !

regards
Mario

864. Re: [n2adr-sdr] Re: Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2013-02-15 13:43:54 UTC
From: Sid Boyce
Topic: 717 Message: 864

Hi Mario,
I have not looked at the digital side of quisk but I always run make
after any changes to other than ~/.quisk_conf.py.
73 ... Sid.

On 15/02/13 12:52, Mario wrote:
>
> Hi Jim,
>
> yesterday evening i tried to get your Rfgain function working here but
> was not successful. I copied the section with the rfgain from your
> quisk_hardware.py and also inserted the call for the function.
> Unfortunately i seem to miss something and it had no effect. Or do i
> have to type "make" again before it takes effect ?
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> Unfortunately the current version of Dream does not work with alsa but
> just with pulseaudio. So i tried to send the digital audio to pulse
> but if i start Quisk then it immediately stops operation.
> I changed back to alsa loopback and tried to send the normal audio via
> pulse and that worked. Now i was able to attach Dream to the normal
> audio and was able to receive DRM. I just had to output the audio of
> Dream to a different audio port.
> Its just not clear to me why the audio stops if i try to output
> digital audio to pulse.
>
> One minor thing: Is it possible to make the Mute button just to have
> impact on the normal audio output and not on the digital audio ?
> Sometimes i just do not want to hear the digital signals ;)
>
> Overall quisk works really nice ! Many thanks !
>
> regards
> Mario
>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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865. Re: Quisk Version 3.6.5

Yahoo group: n2adr-sdr
Date: 2013-02-17 13:57:57 UTC
From: jimahlstrom
Topic: 717 Message: 865

Hello Mario,

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi Jim,
>
> yesterday evening i tried to get your Rfgain function working here but was not successful. I copied the section with the rfgain from your quisk_hardware.py

I guess you mean the RF Gain button. The code from n2adr/quisk_hardware.py will not work unless you have my hardware (you don't). If you have the HiQSDR, you don't need to do anything because the code is built in. If you have different hardware, you need to write your own control code for RF Gain.

> Its just not clear to me why the audio stops if i try to output digital audio to pulse.

I don't have pulse audio, and I can't help here. Quisk outputs samples to a fake sound card that most software can connect to. I wish there was a standard way to connect samples to another program, but there is not.

> One minor thing: Is it possible to make the Mute button just to have impact on the normal audio output and not on the digital audio ?

This will be fixed in the next release, due out shortly now that I am back from a ski trip to Park City, Utah.

Jim
N2ADR

866. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-17 20:05:35 UTC
From: Hubert
Topic: 845 Message: 866

Hello Graeme,
i put the simulated filter plots to the HiQSDR wiki.
http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Curve

The plots are made with QucsStudio, i will put the QucsStudio
files also to the wiki. Now you are able to set the markers to your intresting point.

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Hubert,
>
> Thanks for the information. I will make the default filters to match your set except the bank 11 and bank 12 filters will need something to select them rather than the bank 2 and 3 when you want "contest filters". I will wait until you post your .pdf with the passband plots and finish the job then.
>
> Danke sehr,
>
> Graeme
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
> >
> > Hello Grame and Sid,
> > my filter board setup with the bandedges.
> >
> > Bank 0 Bypass
> > Bank 1 160m : 1800000 - 2000000
> > Bank 2 80m : 3500000 - 3800000
> > Bank 3 40m : 7000000 - 7200000
> > Bank 4 30m : 100000 - 10150000
> > Bank 5 20m : 14000000 - 14350000
> > Bank 6 17m : 18068000 - 18168000
> > Bank 7 15m : 21000000 - 21450000
> > Bank 8 12m : 24890000 - 24990000
> > Bank 9 10m : 28000000 - 29700000
> > Bank 10 6m : 50000000 - 54000000
> > Bank 11 40Xm : 7000000 - 7200000
> > Bank 12 80Xm : 3500000 - 38000000
> >
> > 80X and 40X are special filters.
> >
> > We have some filter simulations done with QucsStudio,
> > i will put these Files as PDF to www.hiqsdr.org.
> >

> > 73 de DG7MGY Hubi
> >
> > --- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
> > >
> > > Hi Sid,
> > >
> > > Yes I am aware of the problem you and Mario have and will be very pleased when it is resolved.
> > >
> > > I can access the hiqsdr.com site via a tunnel but have to suffer a lot of advertisements to use it. I would like the exact curves of the filters, as for example on 80M I switch from the through filter at 3.5 MHz to the 80M filter and at 4.0 MHz I switch back to the through filter. If I knew that the filter had its edges at say 3.4 and 4.1 MHz then I would alter the default setting for this.
> > >
> > > 73 Graeme
> > >
> > > --- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
> > > >
> > > > Hi Graeme,
> > > > I can't TX at present so I have no BPF measurements.
> > > > I don't know if you still have problems accessing the site.
> > > >

> > > > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Module
> > > > HiQSDR Preselector Filter Module
> > > >
> > > > Band Filter Module
> > > > The filter modules are built on a precutted PCB panel, which can be
> > > > broken out and plugged into the HiQSDR-Module after assembling.
> > > > The module connectors holds also control signals and supply voltages to
> > > > allow active filters and active parts like transverters a.s.o. to built
> > > > on the filter modules.
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> > > > > > > > QtRadio i not bad but often my dspserver was killed from glSDR
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> > > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
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> > > > > > > > 73 de DG7MGY Hubert
> > > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m

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> > > > > > > > > --- In n2adr-sdr@yahoogroups.com
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> > > > > > > > , "Graeme" wrote:
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867. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-17 21:05:13 UTC
From: Graeme
Topic: 845 Message: 867

Hello Hubert,

What a great job you have done! They are lovely plots and just what I need. I tried simulating some with "Elsie" and the Cauer filters were no problem but it could not handle the tapped coils for the Chebyshev filters. I will make the changes to the default table and post them on the ghpsdr3-alex group.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
> Hello Graeme,
> i put the simulated filter plots to the HiQSDR wiki.
> http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Curve
>
> The plots are made with QucsStudio, i will put the QucsStudio
> files also to the wiki. Now you are able to set the markers to your intresting point.
>
> 73 de DG7MGY Hubert
>
>
> --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:
> >
> > Hi Hubert,
> >
> > Thanks for the information. I will make the default filters to match your set except the bank 11 and bank 12 filters will need something to select them rather than the bank 2 and 3 when you want "contest filters". I will wait until you post your .pdf with the passband plots and finish the job then.
> >
> > Danke sehr,
> >
> > Graeme
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> > --- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
> > >
> > > Hello Grame and Sid,
> > > my filter board setup with the bandedges.
> > >
> > > Bank 0 Bypass
> > > Bank 1 160m : 1800000 - 2000000
> > > Bank 2 80m : 3500000 - 3800000
> > > Bank 3 40m : 7000000 - 7200000
> > > Bank 4 30m : 100000 - 10150000
> > > Bank 5 20m : 14000000 - 14350000
> > > Bank 6 17m : 18068000 - 18168000

> > > Bank 7 15m : 21000000 - 21450000
> > > Bank 8 12m : 24890000 - 24990000
> > > Bank 9 10m : 28000000 - 29700000
> > > Bank 10 6m : 50000000 - 54000000
> > > Bank 11 40Xm : 7000000 - 7200000
> > > Bank 12 80Xm : 3500000 - 38000000
> > >
> > > 80X and 40X are special filters.
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> > > We have some filter simulations done with QucsStudio,
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> > > > > HiQSDR Preselector Filter Module
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> > > > > Band Filter Module
> > > > > The filter modules are built on a precutted PCB panel, which can be
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> > > > > 30m-Bandpass filter of the 3-pole Chebyshev filter module.
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> > > > > > > > > > For working on the hambands i use Quisk, the other time are
> > > > > > > > > > running QtRadio to share my HiQSDR.
> > > > > > > > > >
> > > > > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
> > > > > > > > > >
> > > > > > > > > > 73 de DG7MGY Hubert
> > > > > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> > > > > > > > > >
> > > > > > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > > > > > , "Graeme" wrote:
> > > > > > > > > > >
> > > > > > > > > > > Hi All,
> > > > > > > > > > >
> > > > > > > > > > > I have added an automatic band switch facility to QtRadio which
> > > > > > > > > > some of you may be using. I would be grateful if you could update to
> > > > > > > > > > the latest master and test to see if it works for you.
> > > > > > > > > > >
> > > > > > > > > > > I accidentally pushed the work and now master contains some
> > > > > > > > > > untested code which is not good. I can't test it myself as I have no
> > > > > > > > > > preselector and don't even have a 10 pin plug to get some flying
> > > > > > > > > leads
> > > > > > > > > > into the HiQSDR board and am reluctant to force wires into the socket.
> > > > > > > > > > >
> > > > > > > > > > > The filters don't reflect their position into the hardware panel
> > > > > > > > > > associated with QtRadio yet but the switching will occur (I hope).
> > > > > > > > > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > > > > > > > > > >
> > > > > > > > > > > 73 Graeme ZL2APV
> > > > > > > > > > >
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868. Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-17 21:17:56 UTC
From: Graeme
Topic: 868 Message: 868

Hi Jim,

I note you are planning a new release of Quisk having returned from skiing (Lucky man) and would like to request a change.

With the great improvement in recent versions in cpu demands I can now run Quisk beautifully on my Atom netbook. Only problem is that the screen is just too narrow (1024 x 600) for the smallest size window and the sliders on the RHS are off screen. I can move the window around but it is a bit clunky.

I wonder if it would be possible by slightly reducing the width of each button (plenty of space there to do this without losing text) to squeeze in the window to fit the 1024 x 600 Atom screen. It is already easy to make it bigger when working on higher resolution screens.

Many thanks for such a great Software and Hardware.

73 Graeme ZL2APV

869. Re: [n2adr-sdr] Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-17 22:08:50 UTC
From: Sid Boyce
Topic: 868 Message: 869

I was on skype with G7VAC and saw the same effect on his laptop.
We tried adjusting the size of the quisk window all to no avail.
73 ... Sid.

On 17/02/13 21:17, Graeme wrote:
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>
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> skiing (Lucky man) and would like to request a change.
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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870. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-17 22:38:02 UTC
From: Graeme
Topic: 845 Message: 870

Hi Hubert,

Just thought I would let you know that you need administrator rights to download the .sch files which I don't have.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hello Hubert,
>
> What a great job you have done! They are lovely plots and just what I need. I tried simulating some with "Elsie" and the Cauer filters were no problem but it could not handle the tapped coils for the Chebyshev filters. I will make the changes to the default table and post them on the ghpsdr3-alex group.
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> >
> > Hello Graeme,
> > i put the simulated filter plots to the HiQSDR wiki.
> > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Curve
> >
> > The plots are made with QucsStudio, i will put the QucsStudio
> > files also to the wiki. Now you are able to set the markers to your intresting point.
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> > > > > > > > > > running QtRadio to share my HiQSDR.
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> > > > > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
> > > > > > > > > > >
> > > > > > > > > > 73 de DG7MGY Hubert
> > > > > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> > > > > > > > > > >
> > > > > > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > > > >
> > > > > > > > > > , "Graeme" wrote:
> > > > > > > > > > >
> > > > > > > > > > Hi All,
> > > > > > > > > > >
> > > > > > > > > > I have added an automatic band switch facility to QtRadio which
> > > > > > > > > > some of you may be using. I would be grateful if you could update to
> > > > > > > > > > the latest master and test to see if it works for you.
> > > > > > > > > > >
> > > > > > > > > > I accidentally pushed the work and now master contains some
> > > > > > > > > > untested code which is not good. I can't test it myself as I have no
> > > > > > > > > > preselector and don't even have a 10 pin plug to get some flying
> > > > > > > > leads
> > > > > > > > > > into the HiQSDR board and am reluctant to force wires into the socket.
> > > > > > > > > > >
> > > > > > > > > > The filters don't reflect their position into the hardware panel
> > > > > > > > > > associated with QtRadio yet but the switching will occur (I hope).
> > > > > > > > > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > > > > > > > > > >
> > > > > > > > > > 73 Graeme ZL2APV
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > --

> > > > > > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > > > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > > > > > > Senior Staff Specialist, Cricket Coach
> > > > > > > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > > > > > > > >
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>

871. New Quisk 3.6.7

Yahoo group: n2adr-sdr
Date: 2013-02-18 00:22:35 UTC
From: jimahlstrom
Topic: 871 Message: 871

Quisk Version 3.6.7 February 2013

I added a check for the correct wx version. Thanks to Mario, DH5YM. Selecting "Config/Favorites/TuneTo"
now changes to the configured default_screen instead of the waterfall screen. Thanks to Detlef, DL7IY.
The mute button and volume now controls only the radio sound, and not the digital output. Thanks to Mario, DH5YM.

Previously, Fldigi XML-RPC control only worked if a digital mode was selected and a digital audio device
was specified. Now it is always active unless you turn it off in the config file.

The transmit power level and the digital transmit power level can now be adjusted on the config screen. The
levels are a percentage of tx_level as set in the config file. The meaning of digital_tx_level was changed.
It is now the maximum percentage value for the slider. Thanks to Hubert, DG7MGY.

There is a new feature to save frequencies and return to them. When you have tuned in a signal of interest,
press the "Save" button to save the frequency, band and mode. Repeat for more signals. Now press "Next",
to switch to the next saved signal, and press "Next" repeatedly to cycle through the list. To delete a
saved signal, first tune to it with "Next" and then press "Delete". If you save a large number of signals,
right click the "Next" button, and you will get a popup menu so you can jump directly to a station. Thanks
to Detlef, DL7IY.

I had to renumber the columns for the Quisk buttons. That won't matter to you unless you add your own widgets
to the bottom of the screen by importing your own quisk_widgets. Then you will need to renumber your columns.
See n2adr/quisk_widgets.py for an example.

872. Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 00:26:36 UTC
From: jimahlstrom
Topic: 868 Message: 872

Hello,

The next version 3.6.7 is out. Please try this version and let me know if the problem is solved.

Jim
N2ADR

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
> With the great improvement in recent versions in cpu demands I can now run Quisk beautifully on my Atom netbook. Only problem is that the screen is just too narrow (1024 x 600) for the smallest size window and

873. Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 03:10:58 UTC
From: Graeme
Topic: 868 Message: 873

Hi Jim,

Firstly thanks for all the improvements and I just love the memory store facility. It works really well and is such a big help cruising around the band.

I have put a screenshot of Quisk running on my netbook at 50 to 55% cpu with no problems. It nearly fits now but has a few overlapping buttons plus the rit slider but nothing to stop normal use now. The screenshot is stored in the files section.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello,
>
> The next version 3.6.7 is out. Please try this version and let me know if the problem is solved.
>
> Jim
> N2ADR
>
> --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:
> > With the great improvement in recent versions in cpu demands I can now run Quisk beautifully on my Atom netbook. Only problem is that the screen is just too narrow (1024 x 600) for the smallest size window and
>

874. Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 14:39:09 UTC
From: jimahlstrom
Topic: 868 Message: 874

Hello Graeme,

Thank you for the screenshot, it was a great help since I don't have your notebook. The screen still looks a bit tight. The easiest way to fix it is to add another button row and put fewer buttons per row. I have not done this because I wanted to use the full screen width to make tuning easier, but a minimal height to make room for other windows, for example, a logging program. I will have to think about this a bit more.

Jim
N2ADR

875. Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 15:39:18 UTC
From: jimahlstrom
Topic: 868 Message: 875

Hello Graeme,

I added a new config file parameter button_font_size that can be changed to reduce the size of the buttons. The default is 10, but you can change it to 9 or 8, and the Quisk screen should fit your netbook much better. It will be in the next release in March.

Jim
N2ADR

876. RE: [n2adr-sdr] Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 15:49:35 UTC
From: MIKE DURKIN
Topic: 868 Message: 876

If you go that route ... could you add 144, 220,440Mhz buttons ...

To: n2adr-sdr@yahoogroups.com
From: jahlstr@...
Date: Mon, 18 Feb 2013 14:39:09 +0000
Subject: [n2adr-sdr] Re: Quisk on Atom Netbook

Hello Graeme,

Thank you for the screenshot, it was a great help since I don't have your notebook. The screen still looks a bit tight. The easiest way to fix it is to add another button row and put fewer buttons per row. I have not done this because I wanted to use the full screen width to make tuning easier, but a minimal height to make room for other windows, for example, a logging program. I will have to think about this a bit more.

Jim

N2ADR

877. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-18 17:30:26 UTC
From: Hubert
Topic: 845 Message: 877

Hello Graeme,
also the QucsStudio *.sch files now are ready to download.
Yesterday I had too much to doo, and so did I could not do this right.

It is good to carry out simulations also with the AADE filter designer. QucsStudio are easy to handle but it calculate with ideal coils and so it differ on higher frequency.

;-) i know tapped coils are not so easy to describe, i have
the same problem on august last year at QucsStudio Michael DD6UM
added the tapped coils to QucsStudio.

73 thanks for your comment de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Hubert,
>
> Just thought I would let you know that you need administrator rights to download the .sch files which I don't have.
>
> 73 Graeme
>
> --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:
> >
> > Hello Hubert,
> >
> > What a great job you have done! They are lovely plots and just what I need. I tried simulating some with "Elsie" and the Cauer filters were no problem but it could not handle the tapped coils for the Chebyshev filters. I will make the changes to the default table and post them on the ghpsdr3-alex group.
> >
> > 73 Graeme
> >
> > --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> > >
> > > Hello Graeme,
> > > i put the simulated filter plots to the HiQSDR wiki.
> > > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Curve
> > >
> > > The plots are made with QucsStudio, i will put the QucsStudio
> > > files also to the wiki. Now you are able to set the markers to your intresting point.
> > >
> > > 73 de DG7MGY Hubert
> > >
> > >
> > > --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:

> > > >
> > > > Hi Hubert,
> > > >
> > > > Thanks for the information. I will make the default filters to match your set except the bank 11 and bank 12 filters will need something to select them rather than the bank 2 and 3 when you want "contest filters". I will wait until you post your .pdf with the passband plots and finish the job then.
> > > >
> > > > Danke sehr,
> > > >
> > > > Graeme
> > > >
> > > > --- In n2adr-sdr@yahoogroups.com, "Hubert" wrote:
> > > > >
> > > > > Hello Grame and Sid,
> > > > > my filter board setup with the bandedges.
> > > > >
> > > > > Bank 0 Bypass
> > > > > Bank 1 160m : 1800000 - 2000000
> > > > > Bank 2 80m : 3500000 - 3800000
> > > > > Bank 3 40m : 7000000 - 7200000
> > > > > Bank 4 30m : 100000 - 10150000
> > > > > Bank 5 20m : 14000000 - 14350000
> > > > > Bank 6 17m : 18068000 - 18168000
> > > > > Bank 7 15m : 21000000 - 21450000
> > > > > Bank 8 12m : 24890000 - 24990000
> > > > > Bank 9 10m : 28000000 - 29700000
> > > > > Bank 10 6m : 50000000 - 54000000
> > > > > Bank 11 40Xm : 7000000 - 7200000
> > > > > Bank 12 80Xm : 3500000 - 38000000
> > > > >
> > > > > 80X and 40X are special filters.
> > > > >
> > > > > We have some filter simulations done with QucsStudio,
> > > > > i will put these Files as PDF to www.hiqsdr.org.
> > > > >
> > > > > 73 de DG7MGY Hubi
> > > > >
> > > > > --- In n2adr-sdr@yahoogroups.com, "Graeme" wrote:
> > > > > >
> > > > > > Hi Sid,
> > > > > >
> > > > > > Yes I am aware of the problem you and Mario have and will be very pleased when it is resolved.
> > > > > >
> > > > > > I can access the hiqsdr.com site via a tunnel but have to suffer a lot of advertisements to use it. I would like the exact curves of the filters, as for example on 80M I switch from the through filter at 3.5 MHz to the 80M filter and at 4.0 MHz I switch back to the through filter. If I knew that the filter had its edges at say 3.4 and 4.1 MHz then I would alter the default setting for this.

> > > > > >
> > > > > > 73 Graeme
> > > > > >
> > > > > > --- In n2adr-sdr@yahoogroups.com, Sid Boyce wrote:
> > > > > > >
> > > > > > > Hi Graeme,
> > > > > > > I can't TX at present so I have no BPF measurements.
> > > > > > > I don't know if you still have problems accessing the site.
> > > > > > >

> > > > > > > http://hiqsdr.com/hiqsdr-wiki/index.php?title=Preselector-Filter-Module
> > > > > > > HiQSDR Preselector Filter Module
> > > > > > >
> > > > > > > Band Filter Module
> > > > > > > The filter modules are built on a precutted PCB panel, which can be
> > > > > > > broken out and plugged into the HiQSDR-Module after assembling.
> > > > > > > The module connectors holds also control signals and supply voltages to
> > > > > > > allow active filters and active parts like transverters a.s.o. to built
> > > > > > > on the filter modules.
> > > > > > > The filter modules contains three or five pole filter structures
> > > > > > > designed for minimal loss in passband and maximal damping outside the
> > > > > > > band. The filter structures are designed in the lower bands as 3-pole
> > > > > > > Chebyshev with a tapped middle coil that allows to spare one core per
> > > > > > > filter.
> > > > > > > The bandwith of each filter is selected that minimum loss and minimum
> > > > > > > ripple are reached together with maximum attenuation of out-of-band
> > > > > > > signals. The critical low bands are specially designed: the 160m-module
> > > > > > > is a 5-pole chebyshev filter in tubular construction with ripple less
> > > > > > > than 1dB and a bandwidth of only 250kHz.
> > > > > > > The attenuation of signals outside the passband is more than 60dB at a
> > > > > > > offset of 300kHz.
> > > > > > > The other two critical bands 40m and 80m has two different modules
> > > > > > > available at the filter panel:
> > > > > > > One is designed as 3-pole Chebyshev-filter for minimal loss within the
> > > > > > > passband (< 0.3dB) and as 3-pole Cauer-filter with controlled stop-bands
> > > > > > > at the lower and higher neighbor bands (< -60dB) to be contest proof but
> > > > > > > has slightly higher passband damping.
> > > > > > > All filter calculations are done with the professional Filter design
> > > > > > > program "Filter Solutions 2012" from NUSOFT and verified and simulated
> > > > > > > with the AAA-Filter designer and practically tested with a HP 8752A
> > > > > > > Network analyser.
> > > > > > > The match between theory and pratical filter behaviour was nearly 99% (!)
> > > > > > > In the following pictures you see the typical filter curve of the
> > > > > > > 30m-Bandpass filter of the 3-pole Chebyshev filter module.
> > > > > > > ---

> > > > > > > 73 ... Sid.
> > > > > > >
> > > > > > > On 12/02/13 20:58, Graeme wrote:
> > > > > > > >

> > > > > > > > Hi Sid,
> > > > > > > > >
> > > > > > > > > As my HiQSDR preselector is under construction and will not use the
> > > > > > > > > same filter set as the official preselector I am unable to do the
> > > > > > > > > testing myself and am very grateful to you and Hubert for your
> > > > > > > > > reports. I will be very pleased when your preselector problems are
> > > > > > > > > sorted even if it is because you are a very good test bed but limited
> > > > > > > > > at present hi hi.
> > > > > > > > >
> > > > > > > > > Now that I know there is no 60 M filters I have altered the subroutine
> > > > > > > > > which creates the .cfg file to use the filter numbers as you have done
> > > > > > > > > Sid and will push them soon.
> > > > > > > > >
> > > > > > > > > I would like to get the corner frequencies of the standard filters or
> > > > > > > > > see a set of curves for them so that I can use the actual frequencies
> > > > > > > > > to switch in the filters rather than the band edges allocated to ZL
> > > > > > > > > which is pretty close to the rest of the world. If anyone has the
> > > > > > > > > curves or corner frequencies could you please upload them to the
> > > > > > > > > "files" section of the list as I am sure they will be of interest to
> > > > > > > > > others.
> > > > > > > > >
> > > > > > > > > 73 Graeme ZL2APV
> > > > > > > > >
> > > > > > > > > --- In n2adr-sdr@yahoogroups.com ,
> > > > > > > > > Sid Boyce wrote:
> > > > > > > > >
> > > > > > > > > Great work so far Graeme.
> > > > > > > > > By removing the 60M in hiqsdr.cfg and sliding down the filter
> > > > > > > > > numbers so
> > > > > > > > > that 40m is filter 3 instead of 4, etc.etc. works fine.
> > > > > > > > > 73 ... Sid.
> > > > > > > > >
> > > > > > > > > On 12/02/13 07:13, Graeme wrote:
> > > > > > > > > >
> > > > > > > > > > Hi Hubert,
> > > > > > > > > >
> > > > > > > > > > I am glad my changes to hiqsdr server in QtRadio were useful for you.
> > > > > > > > > > I also miss not being able to transmit and you can be sure that the
> > > > > > > > > > facility will be added in the near future. I am a very new C++
> > > > > > > > > > programmer and not experienced so I take much longer than the experts
> > > > > > > > > > to get things going and it is likely that someone else will get
> > > > > > > > > > transmit going before me. I use glsdr from my cell phone and of
> > > > > > > > > course
> > > > > > > > > > not being able to switch the filters automatically was a big problem.
> > > > > > > > > > I still have more work to finish the auto switching like seeing the
> > > > > > > > > > filter change reflected back into QtRadio's panel and a utility to
> > > > > > > > > > enter the filter corners so it will write your .cfg file.
> > > > > > > > > >
> > > > > > > > > > More to come in the future.
> > > > > > > > > >

> > > > > > > > > > 73 Graeme ZL2APV
> > > > > > > > > > >
> > > > > > > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > > > > > > ,
> > > > > > > > > > > "Hubert" wrote:
> > > > > > > > > > > >
> > > > > > > > > > > >
> > > > > > > > > > > >
> > > > > > > > > > > > Hello Graeme ZL2APV,
> > > > > > > > > > > > i have running QtRadio master branch with your automatic band
> > > > > > > > > switch.
> > > > > > > > > > > > Feel free to test it look for DG7MGY at Quick Server List most of
> > > > > > > > > > > > the time my dspserver is running.
> > > > > > > > > > > >
> > > > > > > > > > > > QtRadio i not bad but often my dspserver was killed from glSDR
> > > > > > > > > users,
> > > > > > > > > > > > TX is not working and the installation of ghpsdr its not easy.
> > > > > > > > > > > > QtRadio use the new QT5 lib and an old libfftw3 also the setup of
> > > > > > > > > > > > dspserver.conf and ssl was difficult.
> > > > > > > > > > > >
> > > > > > > > > > > > QtRadio is a realy good concept, receiving runs well.
> > > > > > > > > > > > But QtRadio need some improvements to control glSDR users,
> > > > > > > > > > > > transmitting and connection to digitalmode software.
> > > > > > > > > > > > I like to share my HiQSDR but when I have time I would like to even
> > > > > > > > > > > > have my own transceiver.
> > > > > > > > > > > >
> > > > > > > > > > > > I have add some remarks about dspserver.conf and ssl
> > > > > > > > > > > > to the HiQSDR Wiki.
> > > > > > > > > > > >
> > > > > > > > > > > > For working on the hambands i use Quisk, the other time are
> > > > > > > > > > > > running QtRadio to share my HiQSDR.
> > > > > > > > > > > >
> > > > > > > > > > > > Thanks for adding the special HiQSDR Code to QtRadio.
> > > > > > > > > > > >
> > > > > > > > > > > > 73 de DG7MGY Hubert
> > > > > > > > > > > > Hardware: HiQSDR, Preselector and 10W MPPA. Antenna: Windom 80-10m
> > > > > > > > > > > >
> > > > > > > > > > > > --- In n2adr-sdr@yahoogroups.com
> > > > > > > > > > > >
> > > > > > > > > > > > , "Graeme" wrote:
> > > > > > > > > > > > >
> > > > > > > > > > > > Hi All,
> > > > > > > > > > > > >
> > > > > > > > > > > > I have added an automatic band switch facility to QtRadio which
> > > > > > > > > > > > some of you may be using. I would be grateful if you could update to
> > > > > > > > > > > > the latest master and test to see if it works for you.
> > > > > > > > > > > > >
> > > > > > > > > > > > I accidentally pushed the work and now master contains some
> > > > > > > > > > > > untested code which is not good. I can't test it myself as I have no
> > > > > > > > > > > > preselector and don't even have a 10 pin plug to get some flying

> > > > > > > > leads
> > > > > > > > > > into the HiQSDR board and am reluctant to force wires into the socket.
> > > > > > > > > > > >
> > > > > > > > > > > > The filters don't reflect their position into the hardware panel
> > > > > > > > > > associated with QtRadio yet but the switching will occur (I hope).
> > > > > > > > > > There is a README_GJ to explain how the hiqsdr.conf is now set up.
> > > > > > > > > > > >
> > > > > > > > > > > > 73 Graeme ZL2APV
> > > > > > > > > > > > >
> > > > > > > > > > > >
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> > > > > > > > > >
> > > > > > > > > >
> > > > > > > > > >
> > > > > > > > > > --
> > > > > > > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > > > > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > > > > > > > Senior Staff Specialist, Cricket Coach
> > > > > > > > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > > > > > > > >
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> > > > > > > >
> > > > > > > >
> > > > > > > > --
> > > > > > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > > > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > > > > > > Senior Staff Specialist, Cricket Coach
> > > > > > > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > > > > > > >
> > > > > > >
> > > > > >
> > > > >
> > > >
> > >
>

878. Re: New Quisk 3.6.7

Yahoo group: n2adr-sdr
Date: 2013-02-18 17:34:16 UTC
From: Hubert
Topic: 871 Message: 878

Hello Jim,
many thanks for your great work.
I have download the new Quisk and its time to play with it.

73 mny tnx dr jim de dg7mgy Hubert

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Quisk Version 3.6.7 February 2013
>
> I added a check for the correct wx version. Thanks to Mario, DH5YM. Selecting "Config/Favorites/TuneTo"
> now changes to the configured default_screen instead of the waterfall screen. Thanks to Detlef, DL7IY.
> The mute button and volume now controls only the radio sound, and not the digital output. Thanks to Mario, DH5YM.
>
> Previously, Fldigi XML-RPC control only worked if a digital mode was selected and a digital audio device
> was specified. Now it is always active unless you turn it off in the config file.
>
> The transmit power level and the digital transmit power level can now be adjusted on the config screen. The
> levels are a percentage of tx_level as set in the config file. The meaning of digital_tx_level was changed.
> It is now the maximum percentage value for the slider. Thanks to Hubert, DG7MGY.
>
> There is a new feature to save frequencies and return to them. When you have tuned in a signal of interest,
> press the "Save" button to save the frequency, band and mode. Repeat for more signals. Now press "Next",
> to switch to the next saved signal, and press "Next" repeatedly to cycle through the list. To delete a
> saved signal, first tune to it with "Next" and then press "Delete". If you save a large number of signals,
> right click the "Next" button, and you will get a popup menu so you can jump directly to a station. Thanks
> to Detlef, DL7IY.
>
> I had to renumber the columns for the Quisk buttons. That won't matter to you unless you add your own widgets
> to the bottom of the screen by importing your own quisk_widgets. Then you will need to renumber your columns.
> See n2adr/quisk_widgets.py for an example.
>

879. Re: Quisk on Atom Netbook

Yahoo group: n2adr-sdr
Date: 2013-02-18 19:54:49 UTC
From: Graeme
Topic: 868 Message: 879

Thanks Jim,

That was a quick response and should be an excellent solution - roll on March :-) With the netbook screen resolution, smaller fonts are much larger to the eye than high res screens. There is no chance of displaying my log software at the same time as quisk on the netbook so I run it on the second desktop and flip between them or do the logging into my cell phone. Normally I use my main PC in the shack where everything fits onto one screen.

I must say I am having the best years of ham radio with the SDR's in over 50 years of being a ham. Many thanks for your part in this.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello Graeme,
>
> I added a new config file parameter button_font_size that can be changed to reduce the size of the buttons. The default is 10, but you can change it to 9 or 8, and the Quisk screen should fit your netbook much better. It will be in the next release in March.
>
> Jim
> N2ADR
>

880. Re: Auto bandswitching now on QtRadio

Yahoo group: n2adr-sdr
Date: 2013-02-18 20:22:58 UTC
From: Graeme
Topic: 845 Message: 880

Hi Hubert,

Thanks for making the files available for download. I have got them OK. I will try AADE filter designer as you suggest and see if it will run with wine. If not I can run it in virtual box where I have a Windows XP set up. It is the only Windows available to me.

The enhanced filters are a bit of a problem as I parse the list of filters to find the one that matches the frequency being used and of course in the case of 80 and 40 M bands there are two matches. What I am going to do is have a checkbox in QtRadio for "Use extended filters" so that when parsing the list of filters it will break at the first filter found if not checked and continue to the end of the list if checked and upon finding the second filter will overwrite the first found. Of course this means that the extended filters must occupy the last bank positions and if using glsdr will never use the extended filters if fitted although I will email Alex to discuss what may be done about this.

I am going to be away for the next 5 days so it may not be posted until next week.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
> Hello Graeme,
> also the QucsStudio *.sch files now are ready to download.
> Yesterday I had too much to doo, and so did I could not do this right.
>
> It is good to carry out simulations also with the AADE filter designer. QucsStudio are easy to handle but it calculate with ideal coils and so it differ on higher frequency.
>
> ;-) i know tapped coils are not so easy to describe, i have
> the same problem on august last year at QucsStudio Michael DD6UM
> added the tapped coils to QucsStudio.
>
> 73 thanks for your comment de DG7MGY Hubert
>
[SNIP]

881. Quisk support for RTL2832U dongles?

Yahoo group: n2adr-sdr
Date: 2013-02-18 20:55:12 UTC
From: irbsurfing
Topic: 881 Message: 881

Hi,
Just wondering if there any plans to add support to run the cheap RTL2832U dongles with Quisk please?
It would be nice to have a Python option.
Thanks,
Andrew
G4XZL

882. Re: Quisk support for RTL2832U dongles?

Yahoo group: n2adr-sdr
Date: 2013-02-19 07:03:20 UTC
From: Mario
Topic: 881 Message: 882

Hi,

i do not know what Jim intends to do but in general the easiest possibility would be to make use of the rtl_tcp server. I do that from time to time with SDR# and it works fine.
Are these USB sticks also used in the US ?
Do you know if there is a written document that describes the API of the rtl_tcp server ?

regards
Mario

883. Re: [n2adr-sdr] Re: Quisk support for RTL2832U dongles?

Yahoo group: n2adr-sdr
Date: 2013-02-19 15:25:25 UTC
From: Sid Boyce
Topic: 881 Message: 883

There is also support in ghpsdr3-alex. I have used the dongle with a
2m/70cms colinear antenna with good results on 2m and 70cms.
http://napan.ca/ghpsdr3/index.php/Main_Page
73 ... Sid.

On 19/02/13 07:03, Mario wrote:
>
> Hi,
>
> i do not know what Jim intends to do but in general the easiest
> possibility would be to make use of the rtl_tcp server. I do that from
> time to time with SDR# and it works fine.
> Are these USB sticks also used in the US ?
> Do you know if there is a written document that describes the API of
> the rtl_tcp server ?
>
> regards
> Mario
>
>

--
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884. Re: Quisk support for RTL2832U dongles?

Yahoo group: n2adr-sdr
Date: 2013-02-20 21:11:47 UTC
From: irbsurfing
Topic: 881 Message: 884

Hi Mario,
Thanks for the reply, the dvb-t dongles using the RTL2832U / R820T or E4000 tuner are widely available in Europe as they are suitable for free to air tv transmissions.
I believe that the US does not broadcast a compatible standard and are therefore not so easily available but there are many oversea sellers on Ebay.
Here are some links to the major sources of data that should contain the required information:
http://sdr.osmocom.org/trac/wiki/rtl-sdr
http://cgit.osmocom.org/cgit/rtl-sdr/
http://superkuh.com/rtlsdr.html

I have used SDRSharp and HDSDR etc but just thought it would be interesting to use Quisk especially as I am getting (slowely!) to know Python.
Many thanks,
Andrew

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> i do not know what Jim intends to do but in general the easiest possibility would be to make use of the rtl_tcp server. I do that from time to time with SDR# and it works fine.
> Are these USB sticks also used in the US ?
> Do you know if there is a written document that describes the API of the rtl_tcp server ?
>
> regards
> Mario
>

885. Re: [n2adr-sdr] Re: Preselector problem

Yahoo group: n2adr-sdr
Date: 2013-02-27 13:52:40 UTC
From: Sid Boyce
Topic: 800 Message: 885

Today I had a look at the circuit again and realised that cutting the
ribbon cable wire to pin 7 was an alternative.

I am pleased to say that worked.
73 ... Sid.

On 01/02/13 19:19, Mario wrote:
>
> Hi Sid,
>
> after my attempt to set the CCTX signal to high was not that
> successfull i tried to set it to input in order to use the pullup
> towards 3.3V correctly. Unfortunately the signal was now always low
> again. So i started my last chance and disconnected the trace close to
> RN1 on the FPGA board. Now the pullup works and the the FDX function
> is switched off. I currently do not understand why both things
> (switching CCTX output high, and switching CCTX to input) do not work.
> But so far the problem has a workaround for me at this time.
>
> regards
> Mario
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce wrote:
> >
> > Thanks Mario,
> > I shall try troubleshooting from the output of U7 as that would tell
> > whether the problem is with CN3/RN5 at the input pin 12 or if output
> Pin
> > 7 is being dragged down.
> > 73 ... Sid.
> >
> >
> > On 01/02/13 07:07, Mario wrote:
> > >
> > > Hi Sid,
> > >
> > > i also did not find the solution but i assume the problem at your
> side
> > > is slightly different.
> > > If i disconnect the FPGA board and touch the Pin7 of the header at
> the
> > > Preselector with +3.3V / 0V i can get the relais switching correctly.
> > > I also got the FPGA switch the pin to high level but i did not find
> > > the reason why its just 2.8V level. All the settings in the Quartus

> > > Studio appear to be correct so far. The bank IO voltage pin is
> > > supplied by 3.3V and the pin is set to 3.3V LVCMOS.
> > > For the moment i think about just disconnecting the CCTX line in
> > > hardware for the moment ;)
> > >
> > > Regarding your problem:
> > > Could you try switching the signals with static 3.3V / 0V levels as
> > > well to search for the exact position were it does not work ?
> > > If the HCT245 is working properly you should see the HCT04 and
> > > afterwards the NAND gate switching. Somewhere there must be the fault.
> > > You could also try to lift the corresponding pin of the HCT04 and
> > > apply a static high via pullup.
> > >
> > > regards
> > > Mario
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com> ,
> > > Sid Boyce wrote:
> > > >
> > > > Thanks Mario,
> > > > Keep me posted as I still have the problem, even with +3.3V
> through 10K
> > > > to U7 pin 12 the FDX LED was still on.
> > > > 73 ... Sid.
> > > >
> > > > On 31/01/13 10:32, Mario wrote:
> > > > >
> > > > > Some further investigations from my side so far:
> > > > >
> > > > > Bypass:
> > > > > I noticed that the assembly print of the preselector has a slight
> > > > > chance to be missunderstood.
> > > > > R43 / D1 prints on the board are aligned in a way that made me
> swap
> > > > > the pads and therefore assemble D1 in the wrong direction.
> That was
> > > > > the reason why i did not notice that the bypass setting works well
> > > > > although the LED was always off.
> > > > > In addition the solder jumper setting for selecting BU3 (PA
> path) is
> > > > > 2-3 for the filter modules but 1-2 for the bypass path. I did this
> > > > > wrong as well because i did not read the comments ;)
> > > > >
> > > > > FDX:
> > > > > I now know that pins that are not assigned to a signal in the
> FPGA
> > > may
> > > > > not have the default direction that is assigned in the CDF
> file. This

> > > > > means that the CCTX pin on my board was stuck at 0 although in
> the
> > > CDF
> > > > > file it was specified with "input with weak pullup". I made a
> signal
> > > > > CCTX in transceiver.v and assigned 1. This signal i connected
> to the
> > > > > CCTX pin. Now the level is always high. Unfortunately it does not
> > > work
> > > > > 100% still because the high level (even without any cable
> > > connected to
> > > > > the FPGA board) is just 2.8V. This is not enough to switch the
> > > > > 74HCT245 stable. If i tip the pin at the 74HCT245 i usually
> get over
> > > > > the trip level of the input and the relays switch. So the circuit
> > > > > seems to be ok. Even if i switch static or disconnect the CCTX
> signal
> > > > > it works well (FDX = off and RX/TX switching works) I will
> > > continue to
> > > > > search why this happens. Most probably the supply for that pin
> comes
> > > > > from a domain which is currently not supplied with 3.3V.
> > > > > Probably i switch the pin defined to input or i find a way to
> switch
> > > > > it to 3.3V output level.
> > > > >
> > > > > regards
> > > > > Mario
> > > > >
> > > > >
> > > >
> > > >

--
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886. Tx SSB

Yahoo group: n2adr-sdr
Date: 2013-02-28 12:18:46 UTC
From: Dieter Kumpies
Topic: 881 Message: 886
Attachments: 1 described; binary payloads are missing from this source WARC

Hallo,

Nachtrag zu meiner Mail von vorhin. Habe vergessen auch die
quisk_conf.py anzuh?ngen.

Ich hoffe, dieses schafft mehr Klarheit

73
Dieter

887. Re: Quisk support for RTL2832U dongles?

Yahoo group: n2adr-sdr
Date: 2013-03-01 09:46:22 UTC
From: mrzfrn
Topic: 881 Message: 887

--- In n2adr-sdr@yahoogroups.com, "irbsurfing" <irbsurfing@...> wrote:
>
> Just wondering if there any plans to add support to run the cheap RTL2832U dongles with Quisk please?
> It would be nice to have a Python option.

...Info on rtl_sdr.lib
http://sdr.osmocom.org/trac/wiki/rtl-sdr

...Python wrappers:
https://github.com/roger-/pyrtlsdr
https://github.com/keenerd/rtlsdr-waterfall

... more info
http://superkuh.com/rtlsdr.html

Dongles available from China e-bay 20$

fM

888. Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-13 23:46:45 UTC
From: jimahlstrom
Topic: 888 Message: 888

Quisk Version 3.6.8 March 2013

The new config file parameter button_font_size can be changed to reduce the size of the button font. This is useful for a netbook when the lower screen resolution results in crowded buttons.

There is a new button "Notch" for an automatic notch filter to get rid of carriers in SSB signals. It works in CW too, but is less useful because the sharp filters can get rid of unwanted signals. The "Notch" is an advanced feature based on the FFT and not the LMS algorithm.

889. Re: [n2adr-sdr] Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 02:15:41 UTC
From: Sid Boyce
Topic: 888 Message: 889

Excellent Jim,
I'll give it a try later.
I always wished there was a notch filter in quisk. The one in qsdr is very effective.
73 ... Sid.

On 13/03/13 23:46, jimahlstrom wrote:
>
> Quisk Version 3.6.8 March 2013
>
> The new config file parameter button_font_size can be changed to
> reduce the size of the button font. This is useful for a netbook when
> the lower screen resolution results in crowded buttons.
>
> There is a new button "Notch" for an automatic notch filter to get rid
> of carriers in SSB signals. It works in CW too, but is less useful
> because the sharp filters can get rid of unwanted signals. The "Notch"
> is an advanced feature based on the FFT and not the LMS algorithm.
>
>

--
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890. QSDR 1.0

Yahoo group: n2adr-sdr
Date: 2013-03-14 16:30:56 UTC
From: dl2stg
Topic: 890 Message: 890

Hi,

QSDR 1.0 is available on http://dl2stg.de/stefan/hiqsdr/qsdr.html

Changes to Version 0.99.x:

* Installation packages available for Ubuntu 12.10 (32 and 64Bit), no need to translate the sources

* Client/Server, HiQSDR is now remote usable via internnet or wifi

* GUI colors configurable

* replay is seekable

* Many fixes and small improvements

73

Stefan, DL2STG

891. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 18:43:24 UTC
From: Graeme
Topic: 888 Message: 891

Hi Jim,

Thanks for the release. I am busting to try it but will have to wait a bit as I am still in hospital following some heart surgery. Will report on netbook performance asap.

73, Graeme zl2apv

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Excellent Jim,
> I'll give it a try later.
> I always wished there was a notch filter in quisk. The one in qsdr is
> very effective.
> 73 ... Sid.
>
> On 13/03/13 23:46, jimahlstrom wrote:
> >
> > Quisk Version 3.6.8 March 2013
> >
> > The new config file parameter button_font_size can be changed to
> > reduce the size of the button font. This is useful for a netbook when
> > the lower screen resolution results in crowded buttons.
> >
> > There is a new button "Notch" for an automatic notch filter to get rid
> > of carriers in SSB signals. It works in CW too, but is less useful
> > because the sharp filters can get rid of unwanted signals. The "Notch"
> > is an advanced feature based on the FFT and not the LMS algorithm.
> >
> >
>
>
> --
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892. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 19:06:58 UTC
From: Graeme
Topic: 888 Message: 892

Hi Jim,

Thanks for the release. I am busting to try it but will have to wait a bit as I am still in hospital following some heart surgery. Will report on netbook performance asap.

73, Graeme zl2apv

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Excellent Jim,
> I'll give it a try later.
> I always wished there was a notch filter in quisk. The one in qsdr is
> very effective.
> 73 ... Sid.
>
> On 13/03/13 23:46, jimahlstrom wrote:
> >
> > Quisk Version 3.6.8 March 2013
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> > The new config file parameter button_font_size can be changed to
> > reduce the size of the button font. This is useful for a netbook when
> > the lower screen resolution results in crowded buttons.
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> > of carriers in SSB signals. It works in CW too, but is less useful
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> >
> >
>
>
> --
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893. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 20:21:05 UTC
From: Sid Boyce
Topic: 888 Message: 893

Hi Graeme,
I wish you a speedy recovery.

I tried it out and it's excellent.

I have been hunting for tuners of which they have been few today and
what were there were quite weak but they were silenced. Around 1/2
second before they were suppressed.
73 ... Sid.

On 14/03/13 19:06, Graeme wrote:
>
> Hi Jim,
>
> Thanks for the release. I am busting to try it but will have to wait a
> bit as I am still in hospital following some heart surgery. Will
> report on netbook performance asap.
>
> 73, Graeme zl2apv
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Excellent Jim,
> > I'll give it a try later.
> > I always wished there was a notch filter in quisk. The one in qsdr is
> > very effective.
> > 73 ... Sid.
> >
> > On 13/03/13 23:46, jimahlstrom wrote:
> > >
> > > Quisk Version 3.6.8 March 2013
> > >
> > > The new config file parameter button_font_size can be changed to
> > > reduce the size of the button font. This is useful for a netbook when
> > > the lower screen resolution results in crowded buttons.
> > >
> > > There is a new button "Notch" for an automatic notch filter to get
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> > > of carriers in SSB signals. It works in CW too, but is less useful
> > > because the sharp filters can get rid of unwanted signals. The
> "Notch"
> > > is an advanced feature based on the FFT and not the LMS algorithm.
> > >
> > >
> >

> >
> > --
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>

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894. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 21:57:57 UTC
From: Graeme
Topic: 888 Message: 894

Thanks Sid, I have just heard that I go home tomorrow. Really keen to try Quisk on my netbook. I really use and like the memory feature that Jim added in the last release.

73, Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Graeme,
> I wish you a speedy recovery.
>
> I tried it out and it's excellent.
>
> I have been hunting for tuners of which they have been few today and
> what were there were quite weak but they were silenced. Around 1/2
> second before they were suppressed.
> 73 ... Sid.
>
> On 14/03/13 19:06, Graeme wrote:
> >
> > Hi Jim,
> >
> > Thanks for the release. I am busting to try it but will have to wait a
> > bit as I am still in hospital following some heart surgery. Will
> > report on netbook performance asap.
> >
> > 73, Graeme zl2apv
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
> > >
> > > Excellent Jim,
> > > I'll give it a try later.
> > > I always wished there was a notch filter in quisk. The one in qsdr is
> > > very effective.
> > > 73 ... Sid.
> > >
> > > On 13/03/13 23:46, jimahlstrom wrote:
> > > >
> > > > Quisk Version 3.6.8 March 2013
> > > >
> > > > The new config file parameter button_font_size can be changed to
> > > > reduce the size of the button font. This is useful for a netbook when
> > > > the lower screen resolution results in crowded buttons.
> > > >
> > > > There is a new button "Notch" for an automatic notch filter to get

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> > > > of carriers in SSB signals. It works in CW too, but is less useful
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> > > >
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>

895. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-14 21:59:13 UTC
From: Graeme
Topic: 888 Message: 895

Thanks Sid, I have just heard that I go home tomorrow. Really keen to try Quisk on my netbook. I really use and like the memory feature that Jim added in the last release.

73, Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Graeme,
> I wish you a speedy recovery.
>
> I tried it out and it's excellent.
>
> I have been hunting for tuners of which they have been few today and
> what were there were quite weak but they were silenced. Around 1/2
> second before they were suppressed.
> 73 ... Sid.
>
> On 14/03/13 19:06, Graeme wrote:
> >
> > Hi Jim,
> >
> > Thanks for the release. I am busting to try it but will have to wait a
> > bit as I am still in hospital following some heart surgery. Will
> > report on netbook performance asap.
> >
> > 73, Graeme zl2apv
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
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> > > Excellent Jim,
> > > I'll give it a try later.
> > > I always wished there was a notch filter in quisk. The one in qsdr is
> > > very effective.
> > > 73 ... Sid.
> > >
> > > On 13/03/13 23:46, jimahlstrom wrote:
> > > >
> > > > Quisk Version 3.6.8 March 2013
> > > >
> > > > The new config file parameter button_font_size can be changed to
> > > > reduce the size of the button font. This is useful for a netbook when
> > > > the lower screen resolution results in crowded buttons.
> > > >
> > > > There is a new button "Notch" for an automatic notch filter to get

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> > > > of carriers in SSB signals. It works in CW too, but is less useful
> > > > because the sharp filters can get rid of unwanted signals. The
> > "Notch"
> > > > is an advanced feature based on the FFT and not the LMS algorithm.
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> > > >
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>

896. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-15 00:43:29 UTC
From: Sid Boyce
Topic: 888 Message: 896

Glad to hear you will be back home tomorrow.

The HiQSDR/Preselector is looking good.
I am getting a little over 5W PEP on speech peaks into the Lightning Bolt Quad and all set for on the air testing.

Last night I set AM mode into a dummy load and got Average Power on just carrier of 14W out on 20m and 12W on 10m.

I have a heatsink that just fits inside the enclosure and a 6.35mm thick copper heat spreader between it and the heat block.

I just need to make a cutout in the bottom cover so the heatsink can protrude.

I think I mentioned before that cutting the wire to pin 7 of the interconnecting ribbon cable got rid of the FDX and allows TX to work.
73 ... Sid.

On 14/03/13 21:59, Graeme wrote:
>
> Thanks Sid, I have just heard that I go home tomorrow. Really keen to
> try Quisk on my netbook. I really use and like the memory feature that
> Jim added in the last release.
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> 73, Graeme
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
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> > Hi Graeme,
> > I wish you a speedy recovery.
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> > I tried it out and it's excellent.
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> > second before they were suppressed.
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> > > Hi Jim,
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> > > report on netbook performance asap.
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> qsdr is
> > > > very effective.
> > > > 73 ... Sid.
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> > > > On 13/03/13 23:46, jimahlstrom wrote:
> > > > >
> > > > > Quisk Version 3.6.8 March 2013
> > > > >
> > > > > The new config file parameter button_font_size can be changed to
> > > > > reduce the size of the button font. This is useful for a
> netbook when
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> > > > > is an advanced feature based on the FFT and not the LMS algorithm.
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--
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897. HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-03-15 03:52:41 UTC
From: Sid Boyce
Topic: 897 Message: 897

First QSO's and Well pleased!
Been on the air on 20m and heard WP4AZT just giving reports but all the stations he worked were in USA.

Heard a local who is also into SDR and Linux trying to work him QRP. We couldn't get through so we chatted for about 1/2 hour.

I then got a call from Jay, NE2Q in New York but he couldn't copy Dave who was ready to go to bed anyway.

Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the way out between us.

Jay was 59 when we started and 56 was my report. Eventually he went up to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and quisk-3.6.8.
73 ... Sid.

--
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898. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-15 05:48:43 UTC
From: Graeme
Topic: 888 Message: 898

I had caught up with the wire cut & have already read your next post. Congratulations on your qso's it is a great thrill. I have been working on qtradio & should soon have the selected filter showing on the hiqsdr panel plus checkbox for manual selection, extended filters and of course tx.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Glad to hear you will be back home tomorrow.
>
> The HiQSDR/Preselector is looking good.
> I am getting a little over 5W PEP on speech peaks into the Lightning
> Bolt Quad and all set for on the air testing.
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> Last night I set AM mode into a dummy load and got Average Power on just
> carrier of 14W out on 20m and 12W on 10m.
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> I have a heatsink that just fits inside the enclosure and a 6.35mm thick
> copper heat spreader between it and the heat block.
>
> I just need to make a cutout in the bottom cover so the heatsink can
> protrude.
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> I think I mentioned before that cutting the wire to pin 7 of the
> interconnecting ribbon cable got rid of the FDX and allows TX to work.
> 73 ... Sid.
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> On 14/03/13 21:59, Graeme wrote:
> >
> > Thanks Sid, I have just heard that I go home tomorrow. Really keen to
> > try Quisk on my netbook. I really use and like the memory feature that
> > Jim added in the last release.
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> > 73, Graeme
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> > > Hi Graeme,
> > > I wish you a speedy recovery.
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> > > I tried it out and it's excellent.
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> > > I have been hunting for tuners of which they have been few today and

> > > what were there were quite weak but they were silenced. Around 1/2
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899. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-15 13:22:23 UTC
From: Sid Boyce
Topic: 888 Message: 899

Thanks Graeme,
I am willing to test when you are ready.

The QSO with NE2Q was a pleasant surprise.
73 ... Sid.

On 15/03/13 05:48, Graeme wrote:
>
> I had caught up with the wire cut & have already read your next post.
> Congratulations on your qso's it is a great thrill. I have been
> working on qtradio & should soon have the selected filter showing on
> the hiqsdr panel plus checkbox for manual selection, extended filters
> and of course tx.
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> 73 Graeme
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900. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-15 22:40:22 UTC
From: Andrea Montefusco
Topic: 888 Message: 900

Hi Graeme,
glad to read that you recovered !
Ciao
am

Andrea Montefusco iw0hdv (ex FAI10655) http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

901. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-16 17:09:07 UTC
From: Graeme Jury
Topic: 888 Message: 901

Thanks Andrea,

Still a bit slow but pleased to be back into it. For the short term I will fudge the filter setting from hiqsdr by polling it from QtRadio each time the frequency is changed. Later I will write communication initiated by hiqsdr which will be extended for swr, power, beam heading etc. but this is still dreamware. BTW I loved working on your code and at last there were enough comments for me to follow what was happening. The rest of QtRadio was hard to follow. Clever people doing clever things which may have been easy for them but was a mystery for me :-)

73 Graeme ZL2APV

902. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-16 18:15:43 UTC
From: Graeme
Topic: 888 Message: 902

Hi Jim,

This morning I have set quisk-3.6.8 up on my netbook. I went down to a font size of 8 and apart from the "Audio" button everything fits. Some notes which I hope are useful to you....

1. Audio button is a bit squeezed still.
2. RIT frequency no longer obscured by slider :-)
3. Save, Next, Del buttons slightly cramped but text is clear. This mem store is a great feature. I use it all the time.
4. Overall window size slightly too wide for a netbook screen (1024 x 600) but I can centre it so the volume control and spectrum sliders just sneak in.
5. The CPU loading on the netbook ranges from 68% down to 57% and about every 5 mins or so there is a dropout while the audio tries to resync (I think) but otherwise runs flawlessly. Pretty amazing on such a tiny machine.

I have been using Quisk since your first version and wrote to you years ago where you were so helpful and encouraging and set me on the path to being an SDR convert. I have seen Quisk go forwards from year to year and just want to express my thanks and appreciation for your gift to the ham radio community.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Quisk Version 3.6.8 March 2013
>
> The new config file parameter button_font_size can be changed to reduce the size of the button font. This is useful for a netbook when the lower screen resolution results in crowded buttons.
>
> There is a new button "Notch" for an automatic notch filter to get rid of carriers in SSB signals. It works in CW too, but is less useful because the sharp filters can get rid of unwanted signals. The "Notch" is an advanced feature based on the FFT and not the LMS algorithm.
>

903. Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-16 18:17:55 UTC
From: Graeme
Topic: 888 Message: 903

Sorry forgot to mention there is a latest screenshot in the zl2apv folder in files but you probably figured that out anyway.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Jim,
>
> This morning I have set quisk-3.6.8 up on my netbook. I went down to a font size of 8 and apart from the "Audio" button everything fits. Some notes which I hope are useful to you....
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> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@> wrote:
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> > Quisk Version 3.6.8 March 2013
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>

904. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-16 18:59:31 UTC
From: Sid Boyce
Topic: 888 Message: 904

The best code I have ever seen written was by AT&T, with comments far outstripping code so it was only necessary to read the comments most of the time. That made it easy to understand and work on.

A colleague told us he once came across comments in code that said "God and I used to know this code, now only God knows".
73 ... Sid.

On 16/03/13 17:09, Graeme Jury wrote:
>
> Thanks Andrea,
>
> Still a bit slow but pleased to be back into it. For the short term I
> will fudge the filter setting from hiqsdr by polling it from QtRadio
> each time the frequency is changed. Later I will write communication
> initiated by hiqsdr which will be extended for swr, power, beam heading
> etc. but this is still dreamware. BTW I loved working on your code and
> at last there were enough comments for me to follow what was happening.
> The rest of QtRadio was hard to follow. Clever people doing clever
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> 73 Graeme ZL2APV
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905. Re: [n2adr-sdr] Re: Quisk Version 3.6.8

Yahoo group: n2adr-sdr
Date: 2013-03-16 19:09:14 UTC
From: Sid Boyce
Topic: 888 Message: 905

Also worthy of mention is the N2ADR transceiver - Father of HiQSDR and
Jim as author of python books.

Made some more HiQSDR contacts in the contest today, on 10m - WP4U,
PW1A, PP5JR, PY5FO, PU2LEP and on 15m - N2TA.
73 ... Sid.

On 16/03/13 18:15, Graeme wrote:
>
> Hi Jim,
>
> This morning I have set quisk-3.6.8 up on my netbook. I went down to a
> font size of 8 and apart from the "Audio" button everything fits. Some
> notes which I hope are useful to you....
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> 73 Graeme ZL2APV
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "jimahlstrom" <jahlstr@...> wrote:
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906. Fwd: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump

Yahoo group: n2adr-sdr
Date: 2013-03-21 02:20:32 UTC
From: Sid Boyce
Topic: 906 Message: 906

Hi Stefan,
Details of a problem I am having with Kubuntu 12.10 and Tom has made a recommendation to move to a different filter module at the end of the following email.

One problem I have on openSUSE where qsdr-1.0 starts up normally, when I move the mouse off qsdr or try some actions within qsdr, sound ceases until I close it and start again.
I shall gather any data I can, if I can and pass it on.
73 ... Sid.

-------- Original Message --------
Subject: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump
Date: Wed, 20 Mar 2013 19:50:56 -0400
From: Tom Rondeau <tom@...>
To: Sid Boyce <g3vbv@...>
CC: GNURadio Discussion List <discuss-gnuradio@...>

On Wed, Mar 20, 2013 at 10:58 AM, Sid Boyce <g3vbv@...> wrote:
> On 20/03/13 13:08, Tom Rondeau wrote:
>>
>> On Tue, Mar 19, 2013 at 9:20 PM, Sid Boyce <g3vbv@...> wrote:
>>>
>>> I have a program that uses gnuradio to work with a HiQSDR.
>>>
>>> The first time I fired up qsdr it worked.
>>> Closing it down and re-opening later I got the error. A reboot of the
>>> system
>>> didn't solve it.
>>>
>>> $ qsdr
>>> starting server
>>> Using Volk machine: sse4_a_64
>>>>>>>
>>>>>> gr_fir_fff: using 3DNow!
>>>
>>> terminate called after throwing an instance of 'std::runtime_error'
>>> what(): unpaired unlock() call
>>> Aborted (core dumped)
>>> 73 ... Sid.
>>
>>
>> Sid,
>>
>> What version of GNU Radio are you using for this? You should try to
>> pull in the filter from the filter module instead of from gr:

>>
>> from gnuradio import filter
>> fir = filter.fir_filter_ccf(decim, taps)
>> ....
>>
>> Also, what is your processor?
>>
>> Tom
>>
> This is the output from the openSUSE boxes and the CPU flags which don't
> include sse4_a.
> Later I'll try rebuilding gnuradio with "-msse3" to see if that helps.
> # qsdr
> starting server
> gri_fftw: can't import wisdom from /root/.gr_fftw_wisdom
> Using Volk machine: avx_64_mmx_orc
>>>> gr_fir_fff: using SSE
> connection from "127.0.0.1"
> TCP: conneced
>>>> gr_fir_ccc: using SSE
>>>> gr_fir_ccf: using SSE
>>>> gr_fir_fcc: gr_fir_fcc: using SSE
>
> flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca
> cmov pat pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext fxsr_opt
> pdpe1gb rdtscp lm constant_tsc rep_good nopl nonstop_tsc extd_apicid
> aperfmperf pni pclmulqdq monitor ssse3 cx16 sse4_1 sse4_2 popcnt aes xsave
> avx lahf_lm cmp_legacy svm extapic cr8_legacy abm sse4a misalignsse
> 3dnowprefetch osvw ibs xop skinit wdt lwp fma4 nodeid_msr topoext
> perfctr_core perfctr_nb arat cpb hw_pstate npt lbrv svm_lock nrip_save
> tsc_scale vmcb_clean flushbyasid decodeassists pausefilter pfthreshold
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> 73 ... Sid.
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Sid,

Have you tried using the filters out of the filter module, yet? Those
filters use VOLK for SIMD instead of the hand-crafted stuff that in
the gr filters. That might help. Besides which, we're removing those
filters, so moving to the new filter module will keep you more
compatible as we go forward.

Tom

907. Fwd: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump

Yahoo group: n2adr-sdr
Date: 2013-03-24 19:03:45 UTC
From: dl2stg
Topic: 906 Message: 907

Hi Sid,

the filters are already used from gr-filter.

If you have problems with audio, please increase in settings
Interconnect->audioBufferSize. 5000 or 6000 may be a good value.

Then get you the "unpaired unlock() call" error ?

73

Stefan

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Hi Stefan,
> Details of a problem I am having with Kubuntu 12.10 and Tom has made a
> recommendation to move to a different filter module at the end of the
> following email.
>
> One problem I have on openSUSE where qsdr-1.0 starts up normally, when I
> move the mouse off qsdr or try some actions within qsdr, sound ceases
> until I close it and start again.
> I shall gather any data I can, if I can and pass it on.
> 73 ... Sid.
>
>
> -------- Original Message --------
> Subject: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump
> Date: Wed, 20 Mar 2013 19:50:56 -0400
> From: Tom Rondeau <tom@...>
> To: Sid Boyce <g3vbv@...>
> CC: GNURadio Discussion List <discuss-gnuradio@...>
>
>
>
> On Wed, Mar 20, 2013 at 10:58 AM, Sid Boyce <g3vbv@...> wrote:
> > On 20/03/13 13:08, Tom Rondeau wrote:
> >>
> >> On Tue, Mar 19, 2013 at 9:20 PM, Sid Boyce <g3vbv@...> wrote:
> >>>
> >>> I have a program that uses gnuradio to work with a HiQSDR.
> >>>
> >>> The first time I fired up qsdr it worked.
> >>> Closing it down and re-opening later I got the error. A reboot of the
> >>> system

> >>> didn't solve it.
> >>>
> >>> $ qsdr
> >>> starting server
> >>> Using Volk machine: sse4_a_64
> >>>>>>
> >>>>>> gr_fir_fff: using 3DNow!
> >>>
> >>> terminate called after throwing an instance of 'std::runtime_error'
> >>> what(): unpaired unlock() call
> >>> Aborted (core dumped)
> >>> 73 ... Sid.
> >>
> >>
> >> Sid,
> >>
> >> What version of GNU Radio are you using for this? You should try to
> >> pull in the filter from the filter module instead of from gr:
> >>
> >> from gnuradio import filter
> >> fir = filter.fir_filter_ccf(decim, taps)
> >> ....
> >>
> >> Also, what is your processor?
> >>
> >> Tom
> >>
> > This is the output from the openSUSE boxes and the CPU flags which don't
> > include sse4_a.
> > Later I'll try rebuilding gnuradio with "-msse3" to see if that helps.
> > # qsdr
> > starting server
> > gri_fftw: can't import wisdom from /root/.gr_fftw_wisdom
> > Using Volk machine: avx_64_mmx_orc
> >>>> gr_fir_fff: using SSE
> > connection from "127.0.0.1"
> > TCP: conneced
> >>>> gr_fir_ccc: using SSE
> >>>> gr_fir_ccf: using SSE
> >>>> gr_fir_fcc: gr_fir_fcc: using SSE
> >
> > flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca
> > cmov pat pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext fxsr_opt
> > pdpe1gb rdtscp lm constant_tsc rep_good nopl nonstop_tsc extd_apicid
> > aperfmperf pni pclmulqdq monitor ssse3 cx16 sse4_1 sse4_2 popcnt aes xsave
> > avx lahf_lm cmp_legacy svm extapic cr8_legacy abm sse4a misalignsse
> > 3dnowprefetch osvw ibs xop skinit wdt lwp fma4 nodeid_msr topoext
> > perfctr_core perfctr_nb arat cpb hw_pstate npt lbrv svm_lock nrip_save
> > tsc_scale vmcb_clean flushbyasid decodeassists pausefilter pfthreshold
> >

> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> Sid,
>
> Have you tried using the filters out of the filter module, yet? Those
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> the gr filters. That might help. Besides which, we're removing those
> filters, so moving to the new filter module will keep you more
> compatible as we go forward.
>
> Tom
>

908. Re: [n2adr-sdr] Fwd: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump

Yahoo group: n2adr-sdr
Date: 2013-03-25 14:58:07 UTC
From: Sid Boyce
Topic: 906 Message: 908

```
Set to 6000 with the same problem. This time I started it up without
moving the mouse and I had sound for about 10 seconds then silence.
# qsdr
starting server
Using Volk machine: avx_64_mmx_orc
>>> gr_fir_fff: using SSE
connection from "127.0.0.1"
TCP: conneced
>>> gr_fir_ccc: using SSE
>>> gr_fir_ccf: using SSE
>>> gr_fir_fcc: gr_fir_fcc: using SSE
1: lost packets 235
connect
server restarted
178: lost packets 1
88: lost packets 1
192: lost packets 1
202: lost packets 1
117: lost packets 1
49: lost packets 1
130: lost packets 1
226: lost packets 1
104: lost packets 1
73 ... Sid.

On 24/03/13 19:03, dl2stg wrote:
>
>
> Hi Sid,
>
> the filters are already used from gr-filter.
>
> If you have problems with audio, please increase in settings
> Interconnect->audioBufferSize. 5000 or 6000 may be a good value.
>
> Then get you the "unpaired unlock() call" error ?
>
> 73
>
> Stefan
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
```

> > Hi Stefan,
> > Details of a problem I am having with Kubuntu 12.10 and Tom has made a
> > recommendation to move to a different filter module at the end of the
> > following email.
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> > One problem I have on openSUSE where qsdr-1.0 starts up normally,
> when I
> > move the mouse off qsdr or try some actions within qsdr, sound ceases
> > until I close it and start again.
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> > -------- Original Message --------
> > Subject: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump
> > Date: Wed, 20 Mar 2013 19:50:56 -0400
> > From: Tom Rondeau <tom@...>
> > To: Sid Boyce <g3vbv@...>
> > CC: GNURadio Discussion List <discuss-gnuradio@...>
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> >
> >
> > On Wed, Mar 20, 2013 at 10:58 AM, Sid Boyce <g3vbv@...> wrote:
> > > On 20/03/13 13:08, Tom Rondeau wrote:
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> > >> On Tue, Mar 19, 2013 at 9:20 PM, Sid Boyce <g3vbv@...> wrote:
> > >>>
> > >>> I have a program that uses gnuradio to work with a HiQSDR.
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> > >>> The first time I fired up qsdr it worked.
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> > >>> system
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> > >>>>>>> gr_fir_fff: using 3DNow!
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> > >>> terminate called after throwing an instance of 'std::runtime_error'
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> > >> Sid,
> > >>
> > >> What version of GNU Radio are you using for this? You should try to

> > >> pull in the filter from the filter module instead of from gr:
> > >>
> > >> from gnuradio import filter
> > >> fir = filter.fir_filter_ccf(decim, taps)
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> > >> Also, what is your processor?
> > >>
> > >> Tom
> > >>
> > > This is the output from the openSUSE boxes and the CPU flags which
> don't
> > > include sse4_a.
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> > > # qsdr
> > > starting server
> > > gri_fftw: can't import wisdom from /root/.gr_fftw_wisdom
> > > Using Volk machine: avx_64_mmx_orc
> > >>>> gr_fir_fff: using SSE
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> > >>>> gr_fir_ccc: using SSE
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> > >>>> gr_fir_fcc: gr_fir_fcc: using SSE
> > >
> > > flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca
> > > cmov pat pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext fxsr_opt
> > > pdpe1gb rdtscp lm constant_tsc rep_good nopl nonstop_tsc extd_apicid
> > > aperfmperf pni pclmulqdq monitor ssse3 cx16 sse4_1 sse4_2 popcnt
> aes xsave
> > > avx lahf_lm cmp_legacy svm extapic cr8_legacy abm sse4a misalignsse
> > > 3dnowprefetch osvw ibs xop skinit wdt lwp fma4 nodeid_msr topoext
> > > perfctr_core perfctr_nb arat cpb hw_pstate npt lbrv svm_lock nrip_save
> > > tsc_scale vmcb_clean flushbyasid decodeassists pausefilter pfthreshold
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> > Sid,
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> > Tom
> >
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--
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909. Re: [n2adr-sdr] Fwd: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump

Yahoo group: n2adr-sdr
Date: 2013-03-25 14:59:51 UTC
From: Sid Boyce
Topic: 906 Message: 909

Shows it should be working.
fuser -v /dev/snd/*
USER PID ACCESS COMMAND
/dev/snd/controlC0: root 2486 F.... qsdr
lancelot 4809 F.... pulseaudio
/dev/snd/controlC2: lancelot 4809 F.... pulseaudio
/dev/snd/controlC3: lancelot 4809 F.... pulseaudio
/dev/snd/pcmC0D0p: root 2486 F...m qsdr
/dev/snd/timer: root 2486 f.... qsdr
73 ... Sid.

On 24/03/13 19:03, dl2stg wrote:
>
>
> Hi Sid,
>
> the filters are already used from gr-filter.
>
> If you have problems with audio, please increase in settings
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> 73
>
> Stefan
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> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Hi Stefan,
> > Details of a problem I am having with Kubuntu 12.10 and Tom has made a
> > recommendation to move to a different filter module at the end of the
> > following email.
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> > Subject: Re: [Discuss-gnuradio] gr_fir_fff: using 3DNow! core dump
> > Date: Wed, 20 Mar 2013 19:50:56 -0400
> > From: Tom Rondeau <tom@...>
> > To: Sid Boyce <g3vbv@...>
> > CC: GNURadio Discussion List <discuss-gnuradio@...>
> >
> >
> >
> > On Wed, Mar 20, 2013 at 10:58 AM, Sid Boyce <g3vbv@...> wrote:
> > > On 20/03/13 13:08, Tom Rondeau wrote:
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> > >> On Tue, Mar 19, 2013 at 9:20 PM, Sid Boyce <g3vbv@...> wrote:
> > >>>
> > >>> I have a program that uses gnuradio to work with a HiQSDR.
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> > >>>>>> gr_fir_fff: using 3DNow!
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> > >> What version of GNU Radio are you using for this? You should try to
> > >> pull in the filter from the filter module instead of from gr:
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> > >> fir = filter.fir_filter_ccf(decim, taps)
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> don't
> > > include sse4_a.
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> > > # qsdr
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> > >
> > > flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca
> > > cmov pat pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext fxsr_opt
> > > pdpe1gb rdtscp lm constant_tsc rep_good nopl nonstop_tsc extd_apicid
> > > aperfmperf pni pclmulqdq monitor ssse3 cx16 sse4_1 sse4_2 popcnt
> aes xsave
> > > avx lahf_lm cmp_legacy svm extapic cr8_legacy abm sse4a misalignsse
> > > 3dnowprefetch osvw ibs xop skinit wdt lwp fma4 nodeid_msr topoext
> > > perfctr_core perfctr_nb arat cpb hw_pstate npt lbrv svm_lock nrip_save
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910. Re: PTT problem - Preslector X2 pin 7 permanently low

Yahoo group: n2adr-sdr
Date: 2013-03-28 15:35:11 UTC
From: Sid Boyce
Topic: 910 Message: 910

On 28/03/13 15:04, James Ahlstrom wrote:
> Hello,
>
> Pin 57 is an output and is not floating. It is equal to Not key_down,
> where key_down is True to transmit in any mode. So pin 57 is low for
> key down and high for receive. If that is incorrect, I can make the
> change provided everybody agrees.
>
> Jim
> N2ADR
OK Jim,
I'll change the title of you email and send to the n2adr group so all interested parties can comment.

What we are seeing on the Preselector is CCTX permanently Low and causing the FDX LED to be ON.
Hitting PTT in quisk, it's background goes RED and TX does not function.

Severing the link between X1 pin 7 on the HiQSDR and X2 pin 7 on the Preselector circumvents the problem so that TX works.

Mario, Helmut --- appreciate your comments on this problem.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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913. FPGA Pin57 & Pin56 explained

Yahoo group: n2adr-sdr
Date: 2013-03-28 19:17:42 UTC
From: Helmut Goebkes
Topic: 913 Message: 913

Hi Sid, Hi Jim,

sorry for late reply, but currently my head stuck fully in the
prototypes of the HiPPA (100W PA for HiQSDR) and the related circuits
(safety, tx-filters, RF switching, IM optimizing a.s.o)

BTW Jim, your new QUISK Version is really great! The notch works perfect and is a great enhancement! Also the other improvements makes QUISK really THE reference for N2ADR/HiQSDR.

PIN 57 @ FPGA is absolutely ok, this pin works correct and is used
for RX/TX-switching the preselector/MPPA and should not changed!

The pin Sid means, is the FPGA PIN56, wich is currently not in use.
To solve all Problems, best way is to set this pin to Output with
following function:
If Quisk is in "normal" operations, this pin should be "High".
If Quisk is switched to "Full Duplex" (FDX Button active)
this Pin56 (labelled CCTX @ HiQSDR) should go to low.

Info: If this pin56 is high, the preselector works normally.
If this pin goes low, the preselector is switched to a "Full Duplex" mode wich bypasses all filters and allows using HiQSDR with connected
preselector as VNA, RF Bridge connected to the separate RX/TX-SMA connectors @ Preselector.

Explanation:
Pin56 is pulled high to 3.3V normally in the preselector.
A unprogrammed Pin of the FPGA (like in current Firmware version)
should be in a high-impedance state.
The only HiQSDRs i know this pull-up to 3.3V does not work is Sid's and Marios HiQSDR. But shure, the best way to overcome such problems is to program the PIN56 as "Full Duplex Active" Output as mentioned bevor ;-)

Thanks Jim, Sid!

73!

Helmut, DB1CC

914. Re: FPGA Pin57 & Pin56 explained

Yahoo group: n2adr-sdr
Date: 2013-03-29 19:03:59 UTC
From: jimahlstrom
Topic: 913 Message: 914

Hello,

I will make this change in a new FPGA firmware version 1.4. It will also require a new Quisk version 3.6.9. Both will be available in April.

FPGA pin 56 is now an Output pin that is High for normal (not full duplex) operation, and Low if the FDX button is pressed and full duplex operation is in use.

Please check that this will not cause a problem with existing hardware that has a pullup resistor connected to pin 56.

I checked the FPGA code for version 1.3, and unused pins are configured as inputs will a weak pullup, so I don't understand why the pin would be low.

I am planning another change to FPGA version 1.4, but I will create a different message thread to discuss it.

Jim
N2ADR

915. New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-29 19:19:24 UTC
From: jimahlstrom
Topic: 915 Message: 915

Moe Wheately, AE4JY has invented a Simple Network Discovery Protocol that enables you to query for Ethernet connected hardware, and set the IP address and port. It is extensible. See http://download2.polytechnic.edu.na/pub4/sourceforge/s/sd/sdrnetsetup/doc/SimpleNetworkDiscoveryProtocol.pdf

I plan to add his protocol to the FPGA firmware version 1.4. It will enable you to set the IP address of the HiQSDR to anything you want, and means you no longer have to compile and burn the FPGA to change IP addresses. Operation is automatic, and uses the existing address rx_udp_ip.

The protocol depends on a hardware name which I set to "HiQSDR-v1" and a serial number "1000". The name must not be changed. To support multiple HiQSDR on the network, you should change both the MAC address and the serial number each time you make a new HiQSDR.

I do not currently support changing the port or the MAC address.

Comments or changes?

Jim
N2ADR

916. Re: [n2adr-sdr] Re: FPGA Pin57 & Pin56 explained

Yahoo group: n2adr-sdr
Date: 2013-03-29 19:24:33 UTC
From: <hgoebkes@...>
Topic: 913 Message: 916

Hi Jim,

THanks for help jim. I agree, i cannot also not understand why this two units have this problem - anyway, the firmware change is the best way. The pulllup resistor is 10K connected to the 3.3V power of HiQDSR and should not be a problem to drive for the FPGA. I made this as a future reserved function, but if you implement it now, this would be great!

73!
Helmut, DB1CC

From: jimahlstrom
Sent: Friday, March 29, 2013 8:03 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Re: FPGA Pin57 & Pin56 explained

Hello,

I will make this change in a new FPGA firmware version 1.4. It will also require a new Quisk version 3.6.9. Both will be available in April.

FPGA pin 56 is now an Output pin that is High for normal (not full duplex) operation, and Low if the FDX button is pressed and full duplex operation is in use.

Please check that this will not cause a problem with existing hardware that has a pullup resistor connected to pin 56.

I checked the FPGA code for version 1.3, and unused pins are configured as inputs will a weak pullup, so I don't understand why the pin would be low.

I am planning another change to FPGA version 1.4, but I will create a different message thread to discuss it.

Jim
N2ADR

917. Re: [n2adr-sdr] New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-29 22:34:01 UTC
From: andrea montefusco
Topic: 915 Message: 917

On Fri, Mar 29, 2013 at 8:19 PM, jimahlstrom <jahlstr@...> wrote:
> Moe Wheately, AE4JY has invented a Simple Network Discovery Protocol that enables you to query for Ethernet connected hardware, and set the IP address and port. It is extensible. See http://download2.polytechnic.edu.na/pub4/sourceforge/s/sd/sdrnetsetup/doc/SimpleNetworkDiscoveryProtocol.pdf
>
> I plan to add his protocol to the FPGA firmware version 1.4. It will enable you to set the IP address of the HiQSDR to anything you want, and means you no longer have to compile and burn the FPGA to change IP addresses. Operation is automatic, and uses the existing address rx_udp_ip.
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> The protocol depends on a hardware name which I set to "HiQSDR-v1" and a serial number "1000". The name must not be changed. To support multiple HiQSDR on the network, you should change both the MAC address and the serial number each time you make a new HiQSDR.
>
> I do not currently support changing the port or the MAC address.
>
> Comments or changes?

Using multicast (instead of plain broadcast) would be preferable and
(maybe) even using network byte order.

am

--
Andrea Montefusco IW0HDV

As my old boss, an Apollo veteran, would often remind us “It’s good to
be smart, but it’s better to be lucky.”
Wayne Hale, Space Shuttle Flight Director

918. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-30 09:41:25 UTC
From: Helmut Goebkes
Topic: 915 Message: 918

Hi Jim,

How is the compatibility to older / different GUI Software
if you implement this SNDP Protocol? I did not read the Spec in full
but is there a "default" IP wich is accessible if any different GUI Software did not use/support this SNDP ?

Helmut, DB1CC

919. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-30 18:02:13 UTC
From: dl2stg
Topic: 915 Message: 919

Hi Jim,

i think it is a great feature, but this is a non-standard protocol, only usable with a special software on a host. The static IP is not a markable limitation and all old devices need a update, so it is also possible to change the IP for this devices on the old way. For new devices Helmut have to patch the fpga image to create unique mac adresses. The better solution is DHCP, but it oversized for FPGA.

Btw. i have put on my hiqsdr page a FPGA-Version sg4 with downloadable _complex_ fir filter taps for RX and TX at runtime. The double clock for the filters is removed, it is not stable in all cases. The default filters are the old from version 3. So nearly all signalprocessing for ssb or cw are running in the fpga. I use a rasperry pi for audio output with only 6% CPU usage. Next step is a nice display and some buttons to create a device, usable without computer.

73
Stefan

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Moe Wheately, AE4JY has invented a Simple Network Discovery Protocol that enables you to query for Ethernet connected hardware, and set the IP address and port. It is extensible. See http://download2.polytechnic.edu.na/pub4/sourceforge/s/sd/sdrnetsetup/doc/SimpleNetworkDiscoveryProtocol.pdf
>
> I plan to add his protocol to the FPGA firmware version 1.4. It will enable you to set the IP address of the HiQSDR to anything you want, and means you no longer have to compile and burn the FPGA to change IP addresses. Operation is automatic, and uses the existing address rx_udp_ip.
>
> The protocol depends on a hardware name which I set to "HiQSDR-v1" and a serial number "1000". The name must not be changed. To support multiple HiQSDR on the network, you should change both the MAC address and the serial number each time you make a new HiQSDR.
>
> I do not currently support changing the port or the MAC address.
>
> Comments or changes?
>
> Jim
> N2ADR
>

920. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-30 20:34:18 UTC
From: jimahlstrom
Topic: 915 Message: 920

Hello Helmut,

The same default IP address is still in the FPGA firmware and this is used (just as now) if the PC software does not use the new SNDP. So everything will work with the new FPGA firmware and old or different software. Of course, when you burn the new 1.4 firmware, you are free to change the FPGA IP address, just as now.

If you have new FPGA firmware (version 1.4) and new Quisk software (3.6.9) then Quisk will attempt to change the IP address to the rx_udp_ip that is in your config file. But currently that is equal to the IP address in the FPGA, so nothing different happens.

The only time you will notice a change is if the FPGA IP address differs from rx_udp_ip. Previously that combination fails, but now the FPGA IP address is changed to equal rx_udp_ip, so everything works. This is meant to make it unnecessary to change the FPGA IP address when burning new firmware. It is also meant to make it easier to manufacture and sell HiQSDR hardware since you don't need to request the IP address from the customer.

Jim
N2ADR

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Jim,
>
> How is the compatibility to older / different GUI Software
> if you implement this SNDP Protocol? I did not read the Spec in full
> but is there a "default" IP wich is accessible if any different GUI Software did not use/support this SNDP ?
>
> Helmut, DB1CC
>

921. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-30 20:42:16 UTC
From: jimahlstrom
Topic: 915 Message: 921

--- In n2adr-sdr@yahoogroups.com, andrea montefusco <andrea.montefusco@...> wrote:

> Using multicast (instead of plain broadcast) would be preferable and
> (maybe) even using network byte order.

Perhaps, but I don't know how to do multicast, and I am note sure how to set it up in the LAN9115 Ethernet chip I am using. Is there a real advantage to multicast? Broadcast requires almost no changes to the Ethernet code.

I agree about the network byte order. But I am trying to use the protocol as published.

Jim
N2ADR

922. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-30 21:03:48 UTC
From: jimahlstrom
Topic: 915 Message: 922

--- In n2adr-sdr@yahoogroups.com, "dl2stg" <yaho1@...> wrote:
>
> i think it is a great feature, but this is a non-standard protocol,

I agree it will never be an Internet standard because DHCP fills the need. And I agree DHCP is oversize for FPGA. But DHCP is also insufficient because it only assigns an IP address (plus a lot of other irrelevant data), but the PC still needs some way of figuring out what address has been assigned to the HiQSDR. It needs a name service. Moe's protocol is very simple, provides the IP address and eliminates the need for the name service.

So far I know of three users for Moe's SNDP; me, him and the Afedri project; not quite a Standard yet, I guess.

> Btw. i have put on my hiqsdr page a FPGA-Version sg4

My hardware page points to your HiQSDR page, and lists your FPGA code before mine. I will make sure your new code appears properly.

I am making a page showing just the changes for the SNDP so you can more easily add it to your FPGA code if you choose. I will send it to you when the design is firm and everyone is in agreement.

Jim
N2ADR

923. Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-31 09:22:17 UTC
From: Helmut Goebkes
Topic: 915 Message: 923

Hi Jim, Stefan,

thanks for your explanation Jim,
If SNDP is an additional Feature and the existing parts are compatible, i think it is a good Feature - mainly if it it simple to implement as you mentioned. Standards are not always applicable and
-who knows - this will be a future "standard" ;-)

@Stefan
i checked your new firmware version yesterday evening and it works perfect! Congrats for your new extensions, a big leap for N2ADR/HiQSDR Project!

My work on the 100W-PA and the microcontroller for control all parts are in a good Progress - currently i am programming the PIC for
the safety / power metering / control / ALC andTX-LP switching.

best regards & 73!

Helmut, DB1CC

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "dl2stg" <yaho1@> wrote:
> >
> > i think it is a great feature, but this is a non-standard protocol,
>
> I agree it will never be an Internet standard because DHCP fills the need. And I agree DHCP is oversize for FPGA. But DHCP is also insufficient because it only assigns an IP address (plus a lot of other irrelevant data), but the PC still needs some way of figuring out what address has been assigned to the HiQSDR. It needs a name service. Moe's protocol is very simple, provides the IP address and eliminates the need for the name service.
>
> So far I know of three users for Moe's SNDP; me, him and the Afedri project; not quite a Standard yet, I guess.
>
> > Btw. i have put on my hiqsdr page a FPGA-Version sg4
>
> My hardware page points to your HiQSDR page, and lists your FPGA code before mine. I will make sure your new code appears properly.
>
> I am making a page showing just the changes for the SNDP so you can more easily add it to your FPGA code if you choose. I will send it to you when the design is firm and everyone is in agreement.
>

> Jim
> N2ADR
>

924. Re: [n2adr-sdr] Re: New FPGA Version 1.4 with AE4JY SNDP

Yahoo group: n2adr-sdr
Date: 2013-03-31 11:58:30 UTC
From: andrea montefusco
Topic: 915 Message: 924

On Sat, Mar 30, 2013 at 9:42 PM, jimahlstrom <jahlstr@...> wrote:
> Perhaps, but I don't know how to do multicast, and I am note sure how to set it up in the LAN9115 Ethernet chip I am using. Is there a real advantage to multicast? Broadcast requires almost no changes to the Ethernet code.

Receiving multicast should be matters of configuring a further (and different) MAC into the hardware (according to the IP to MAC).

http://www.tcpipguide.com/free/t_TCPIPAddressResolutionForIPMulticastAddresses.htm

Really, the LAN9115 Ethernet chip supports even the hashing, so it is able to pre-filter multicast frames, but, again, probably it is not so useful when the processing is done in hardware.

Finally, without implementing IGMP the vast majority of benefits is lost, so, probably, it is not worth the effort.

am

925. Re: HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-04-05 06:02:03 UTC
From: rune
Topic: 897 Message: 925

Hi Sid

was this using Odorid ?

73 Rune LA7THA

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> First QSO's and Well pleased!
> Been on the air on 20m and heard WP4AZT just giving reports but all the
> stations he worked were in USA.
>
> Heard a local who is also into SDR and Linux trying to work him QRP. We
> couldn't get through so we chatted for about 1/2 hour.
>
> I then got a call from Jay, NE2Q in New York but he couldn't copy Dave
> who was ready to go to bed anyway.
>
> Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the
> way out between us.
>
> Jay was 59 when we started and 56 was my report. Eventually he went up
> to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and
> quisk-3.6.8.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

926. Re: [n2adr-sdr] Re: HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-04-05 13:18:59 UTC
From: Sid Boyce
Topic: 897 Message: 926

Hi Rune,
It was using openSUSE x86_64.

On the ODROID-X I can get quisk to run but no graph output. If I select waterfall there is graph but no waterfall and there is flutter on the background white noise which is a little distracting, otherwise OK.

The display problems are a wx problem.

That's using a 3.0.68 kernel which only supports 1 CPU with the Mali400 driver.

Hardkernel are working on the Mali400 driver for 3.8.5 but it's proving difficult. With 3.8.5 I would have the 4 CPU's online with the mali400 driver.

I've built and installed gnuradio and I have uploaded gnuradio_20130326-1_armhf.deb to box.com. I got an email from them saying I can set up a shared directory so anyone can download it rather than having to invite individual email addresses.

Right now qsdr-1.0.1 is compiling and I'll make a .deb when it's done. When installing the .deb's there may be pre-req packages called for - I didn't note them down, I just installed as I hit build failures.
I just hit a build failure so I'll have to fix the library path.
g++ -Wl,-O1 -o qsdr .obj_release/main.o .obj_release/trx.o
.obj_release/qsdrimpl.o .obj_release/fftGraph.o
.obj_release/filterGraph.o .obj_release/audioGraph.o
.obj_release/smeter.o .obj_release/settings.o .obj_release/delegate.o
.obj_release/treemodel.o .obj_release/treeitem.o .obj_release/play.o
.obj_release/rx.o .obj_release/rx_usb.o .obj_release/rx_lsb.o
.obj_release/rx_cw.o .obj_release/rx_am.o .obj_release/rx_fm.o
.obj_release/rx_null.o .obj_release/rx_wfm_rds.o .obj_release/rx_raw.o
.obj_release/rx_psk31.o .obj_release/tx.o .obj_release/tx_usb.o
.obj_release/tx_lsb.o .obj_release/tx_am.o .obj_release/tx_fm.o
.obj_release/tx_null.o .obj_release/trxDev.o
.obj_release/trxDev_hiqsdr.o .obj_release/trxDev_file.o
.obj_release/trxDev_null.o .obj_release/trxDev_testsignal.o
.obj_release/txSrc.o .obj_release/txSrc_mic.o .obj_release/txSrc_miceq.o
.obj_release/txSrc_tone.o .obj_release/txSrc_null.o
.obj_release/txSrc_message.o .obj_release/rxSink.o
.obj_release/rxSink_speaker.o .obj_release/rxSink_message.o
.obj_release/gr_sdr_sink.o .obj_release/gr_psk31_decoder.o
.obj_release/gr_reader_i.o .obj_release/gr_limit_ff.o
.obj_release/gr_rds_bpsk_demod.o .obj_release/gr_rds_data_decoder.o
.obj_release/gr_rds_data_encoder.o .obj_release/gr_rds_freq_divider.o

```
.obj_release/gr_rds_rate_enforcer.o .obj_release/gr_sdrfile_source.o
.obj_release/gr_sdrfile_sink.o .obj_release/lib.o .obj_release/trx.pb.o
.obj_release/g711.o .obj_release/g721.o .obj_release/g723_24.o
.obj_release/g723_40.o .obj_release/g72x.o .obj_release/sha256.o
.obj_release/crypt.o .obj_release/gr_hiqsdr_sink.o
.obj_release/gr_hiqsdr_source.o .obj_release/moc_qsdrimpl.o
.obj_release/moc_fftGraph.o .obj_release/moc_trx.o
.obj_release/moc_filterGraph.o .obj_release/moc_audioGraph.o
.obj_release/moc_settings.o .obj_release/moc_delegate.o
.obj_release/moc_treemodel.o .obj_release/moc_play.o
.obj_release/qrc_qsdr.o -L/usr/lib/arm-linux-gnueabihf -L/usr/X11R6/lib
-lprotobuf -lgruel -lfftw3 -lxml2 -lgnuradio-audio -lgnuradio-digital
-lgnuradio-core -lgnuradio-vocoder -L/usr/lib -lQtMultimediaKit
-lQtOpenGL -lQtGui -lQtNetwork -lQtCore -lGLESv2 -lpthread
/usr/bin/ld: cannot find -lQtOpenGL
collect2: ld returned 1 exit status
make[1]: *** [qsdr] Error 1
make[1]: Leaving directory `/media/1/qsdr_1_0_1'
make: *** [release] Error 2
root@G3VBV:/media/1/qsdr_1_0_1#
root@G3VBV:/media/1/qsdr_1_0_1# lo libQtOpenGL
/usr/lib/arm-linux-gnueabihf/libQtOpenGL.so.4
/usr/lib/arm-linux-gnueabihf/libQtOpenGL.so.4.8
/usr/lib/arm-linux-gnueabihf/libQtOpenGL.so.4.8.1
root@G3VBV:/media/1/qsdr_1_0_1# lo libQtNetwork
/usr/lib/arm-linux-gnueabihf/libQtNetwork.prl
/usr/lib/arm-linux-gnueabihf/libQtNetwork.so
/usr/lib/arm-linux-gnueabihf/libQtNetwork.so.4
/usr/lib/arm-linux-gnueabihf/libQtNetwork.so.4.8
/usr/lib/arm-linux-gnueabihf/libQtNetwork.so.4.8.1
```

On the x86_64 box qsdr-1.0.1 is more stable than 1.0.0 but still prone
to the occasional crash and sound drop out, the last crash was after
around half an hour in.
73 ... Sid.

On 05/04/13 07:02, rune wrote:
> Hi Sid
>
> was this using Odorid ?
>
> 73 Rune LA7THA
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > First QSO's and Well pleased!
> > Been on the air on 20m and heard WP4AZT just giving reports but all the
> > stations he worked were in USA.
> >

> > Heard a local who is also into SDR and Linux trying to work him QRP. We
> > couldn't get through so we chatted for about 1/2 hour.
> >
> > I then got a call from Jay, NE2Q in New York but he couldn't copy Dave
> > who was ready to go to bed anyway.
> >
> > Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the
> > way out between us.
> >
> > Jay was 59 when we started and 56 was my report. Eventually he went up
> > to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and
> > quisk-3.6.8.
> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
>
>

--
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927. Re: [n2adr-sdr] Re: HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-04-05 13:23:00 UTC
From: Sid Boyce
Topic: 897 Message: 927

Just got qsdr-1.0.1 to build, needed
ln -s /usr/lib/arm-linux-gnueabihf/libQtOpenGL.so.4.8.1
/usr/lib/arm-linux-gnueabihf/libQtOpenGL.so
73 ... Sid.

On 05/04/13 07:02, rune wrote:
>
> Hi Sid
>
> was this using Odorid ?
>
> 73 Rune LA7THA
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > First QSO's and Well pleased!
> > Been on the air on 20m and heard WP4AZT just giving reports but all the
> > stations he worked were in USA.
> >
> > Heard a local who is also into SDR and Linux trying to work him QRP. We
> > couldn't get through so we chatted for about 1/2 hour.
> >
> > I then got a call from Jay, NE2Q in New York but he couldn't copy Dave
> > who was ready to go to bed anyway.
> >
> > Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the
> > way out between us.
> >
> > Jay was 59 when we started and 56 was my report. Eventually he went up
> > to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and
> > quisk-3.6.8.
> > 73 ... Sid.
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

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928. Re: [n2adr-sdr] Re: HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-04-06 06:40:18 UTC
From: Sid Boyce
Topic: 897 Message: 928

Running qsdr over ssh as the current 3.8.4 kernel that has no hdmi video
output.
Works fine with video and sound output on the openSUSE x86_64 box.

Tomorrow I'll bring up the 3.0.68 kernel and see how it runs on 1 CPU
with the mali400 driver and sound all on the ODROID-X.

BTW, qsdr-1-0-1_20130405-1_armhf.deb when installed, dumps the qsdr
binary in the current directory, you just have to move it to somewhere
in your PATH.
73 ... Sid.

On 05/04/13 14:23, Sid Boyce wrote:
>
> Just got qsdr-1.0.1 to build, needed
> ln -s /usr/lib/arm-linux-gnueabihf/libQtOpenGL.so.4.8.1
> /usr/lib/arm-linux-gnueabihf/libQtOpenGL.so
> 73 ... Sid.
>
> On 05/04/13 07:02, rune wrote:
>>
>> Hi Sid
>>
>> was this using Odorid ?
>>
>> 73 Rune LA7THA
>>
>> --- In n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr%40yahoogroups.com>, Sid Boyce <g3vbv@...> wrote:
>> >
>> > First QSO's and Well pleased!
>> > Been on the air on 20m and heard WP4AZT just giving reports but all
>> the
>> > stations he worked were in USA.
>> >
>> > Heard a local who is also into SDR and Linux trying to work him
>> QRP. We
>> > couldn't get through so we chatted for about 1/2 hour.
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>> > I then got a call from Jay, NE2Q in New York but he couldn't copy Dave
>> > who was ready to go to bed anyway.
>> >
>> > Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the
>> > way out between us.
>> >
>> > Jay was 59 when we started and 56 was my report. Eventually he went up

>> > to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and
>> > quisk-3.6.8.
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>> >
>>
>
>
> --
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--
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929. Re: [n2adr-sdr] HiQSDR on the air

Yahoo group: n2adr-sdr
Date: 2013-04-06 13:01:00 UTC
From: Sid Boyce
Topic: 897 Message: 929

Had a 5 minute QSO today on 20m at 11:52Z with ZL2JVM over the pole.
Jim was running 1KW into a 5-el monobander, this end HiQSDR/Preslector
and 5W with quisk 3.6.8.
His sig 5&9+, my report 5&6-7.

I never expected a comeback when I called him.
73 ... Sid.

On 15/03/13 03:52, Sid Boyce wrote:
>
> First QSO's and Well pleased!
> Been on the air on 20m and heard WP4AZT just giving reports but all the
> stations he worked were in USA.
>
> Heard a local who is also into SDR and Linux trying to work him QRP. We
> couldn't get through so we chatted for about 1/2 hour.
>
> I then got a call from Jay, NE2Q in New York but he couldn't copy Dave
> who was ready to go to bed anyway.
>
> Jay and I had a QSO from 01:56 until 03:08 when the band seemed on the
> way out between us.
>
> Jay was 59 when we started and 56 was my report. Eventually he went up
> to 59+20 with 100w and I up to 59+10 with <10W on the HiQSDR and
> quisk-3.6.8.
> 73 ... Sid.
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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930. Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 08:13:56 UTC
From: Hubert
Topic: 930 Message: 930

Hello group,
some days ago i have played with Odroid-X and HiQSDR.

Two points I have noticed it.
Once could not use the microphone from my headset (allways -90dB) and it was not possible for me to setup an audio loopback device with snd-aloop to work with Fldigi and Quisk in digital mode. (modprobe snd-aloop did not found the module, but the modulefile exist)

Distribution was Linaro Ubuntu Linux 12.04 LCD

Which distribution was recommended to run Quisk and Fldigi on HiQSDR?
What kind of difficulties can be expected?

Microfone and the audio loopback device for me are key points of using an Odroid board to build an standalone HiQSDR transceiver.
I think it's possible to fix this with an extra usb sound card.

Sid i think you have already some experience with an ODROID board what use you?

Many thanks 73 de DG7MGY Hubert

931. Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 11:57:10 UTC
From: Sid Boyce
Topic: 930 Message: 931

Hi Hubert,
Microphone sound -- I found some posts on the forum on this topic. The recommendation is to remove C33 and R29 from the ODROID.
http://forum.odroid.com/viewtopic.php?f=14&t=833&p=5484&hilit=microphone#p5484

Looking at the circuit diagram all that is doing is turning it from stereo to mono. There was also some mention about a kernel update but I don't know if the 2 are needed together to give an increased microphone gain.

A few weeks ago I tried merging the latest hardkernel max98090 kernel C and header files into 3.0.6x and 3.6.8x, no luck there.

I am running a 3.0.68 kernel which uses the mali400 GPU driver which allows quisk to work whereas without the mali400 support you can't copy a single CW character or SSB word.

The only quirks with quisk -- You see no spectrum on Graph, spectrum only on Waterfall,
-120dB is the lowest being displayed, so everything below that is not displayed and I had to use +10dB to see a reasonable part of the waveform on the waterfall display.

No waterfall --- it's a wx problem that I have not found a fix for.

3.0.6x kernels use only 1 CPU and powers down 1 - 3 during boot.

The latest kernel being worked on that would use the 4 CPU's and the mali400 is 3.8.5 and there is one problem with hardkernel UMP support that's proving difficult for mdrjr to solve.

3.8.4 builds with mali400 support but does not use the HDMI display, when X starts it complains about UMP.

With mali400 support, doing "apt-get upgrade" or "aptitude upgrade" may overwrite certain files and it attempts only to output to LCD so mali400-dev_2.1-13_armhf.deb mali400_2.1-13_armhf.deb xf86-video-mali_1.0.1-7_armhf.deb from mali_packages.tar.gz have to be reinstalled for HDMI to work.

I have built packages for gnuradio with gnuradio_audio.diff for HiQSDR support and qsdr-1.0.1. They are uploaded to box.com and later I'll send you invites to download them.

They all suffer from low Microphone gain, I'm only able to whistle the MPPA up to 1W on the ODROID-X.
73 ... Sid.

On 07/04/13 09:13, Hubert wrote:
>
> Hello group,
> some days ago i have played with Odroid-X and HiQSDR.
>
> Two points I have noticed it.
> Once could not use the microphone from my headset (allways -90dB) and
> it was not possible for me to setup an audio loopback device with
> snd-aloop to work with Fldigi and Quisk in digital mode. (modprobe
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> Distribution was Linaro Ubuntu Linux 12.04 LCD
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> an Odroid board to build an standalone HiQSDR transceiver.
> I think it's possible to fix this with an extra usb sound card.
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> Sid i think you have already some experience with an ODROID board what
> use you?
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> Many thanks 73 de DG7MGY Hubert
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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932. RE: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 14:56:20 UTC
From: MIKE DURKIN
Topic: 930 Message: 932

how was the microphone gain set?

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Sun, 7 Apr 2013 12:57:10 +0100
Subject: Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Hi Hubert,

Microphone sound -- I found some posts on the forum on this topic.
The recommendation is to remove C33 and R29 from the ODROID.

http://forum.odroid.com/viewtopic.php?f=14&t=833&p=5484&hilit=microphone#p5484

Looking at the circuit diagram all that is doing is turning it
from stereo to mono. There was also some mention about a kernel
update but I don't know if the 2 are needed together to give an
increased microphone gain.

A few weeks ago I tried merging the latest hardkernel max98090
kernel C and header files into 3.0.6x and 3.6.8x, no luck there.

I am running a 3.0.68 kernel which uses the mali400 GPU driver
which allows quisk to work whereas without the mali400 support you
can't copy a single CW character or SSB word.

The only quirks with quisk -- You see no spectrum on Graph,
spectrum only on Waterfall,

-120dB is the lowest being displayed, so everything below that is
not displayed and I had to use +10dB to see a reasonable part of
the waveform on the waterfall display.

No waterfall --- it's a wx problem that I have not found a fix
for.

3.0.6x kernels use only 1 CPU and powers down 1 - 3 during boot.

The latest kernel being worked on that would use the 4 CPU's and
the mali400 is 3.8.5 and there is one problem with hardkernel UMP
support that's proving difficult for mdrjr to solve.

3.8.4 builds with mali400 support but does not use the HDMI
display, when X starts it complains about UMP.

With mali400 support, doing "apt-get upgrade" or "aptitude
upgrade" may overwrite certain files and it attempts only to
output to LCD so mali400-dev_2.1-13_armhf.deb

mali400_2.1-13_armhf.deb xf86-video-mali_1.0.1-7_armhf.deb from
mali_packages.tar.gz have to be reinstalled for HDMI to work.

I have built packages for gnuradio with gnuradio_audio.diff for
HiQSDR support and qsdr-1.0.1. They are uploaded to box.com and
later I'll send you invites to download them.

They all suffer from low Microphone gain, I'm only able to whistle
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I think it's possible to fix this with an extra usb sound
card.

Sid i think you have already some experience with an
ODROID board what use you?

Many thanks 73 de DG7MGY Hubert

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933. RE: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 15:56:48 UTC
From: MIKE DURKIN
Topic: 930 Message: 933

what kernal are you using?

I had a brief email chat with Jerry Wong at Maxim .... and some cli commands to use to control gain and internal paths in the Max98090 ....

supposedly amixer will work correctly with kernal 3.8(or was it 3.9 -- i forget at the moment)
two examples he sent me

amixer get 'LINEA Mixer IN1'

amixer set 'LINEA Mixer IN1' on

KC7NOA

To: n2adr-sdr@yahoogroups.com
From: fink-hubert@...
Date: Sun, 7 Apr 2013 08:13:56 +0000
Subject: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Hello group,

some days ago i have played with Odroid-X and HiQSDR.

Two points I have noticed it.

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Many thanks 73 de DG7MGY Hubert

934. Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 20:00:40 UTC
From: Sid Boyce
Topic: 930 Message: 934

```
root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs# grep LINEB max98090.*
max98090.h:#define M98090_LINEBEN (1 << 2)

root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs# grep LINEA max98090.*
max98090.h:#define M98090_LINEAEN

root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs# grep LINEA
max98090_mixer.*
max98090_mixer.c: reg &= ~(M98090_ADLEN | M98090_ADREN |
M98090_MBEN | M98090_LINEAEN | M98090_LINEBEN);

alsamixer is one thing I didn't check on 3.8.4. I'll do it later to see
if more mixer controls appear.

3.8.5 has just been upgraded to 3.8.6 with no changes to mali400 or
max98090, I'll see what that brings.
73 ... Sid.

On 07/04/13 16:56, MIKE DURKIN wrote:
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> what kernal are you using?
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> I had a brief email chat with Jerry Wong at Maxim .... and some cli
> commands to use to control gain and internal paths in the Max98090 ....
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935. RE: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-07 23:27:48 UTC
From: MIKE DURKIN
Topic: 930 Message: 935

I dont know which driver they(HK) are trying to incorporate ....

from Larry ...

>Hi Michael,

>

>Hmm... It works for me...

>amixer get 'LINEA Mixer IN1'

>Simple mixer control 'LINEA Mixer IN1',0
> Capabilities: pswitch pswitch-joined penum
> Playback channels: Mono
> Mono: Playback [off]

>>I think you might be right that the Maxim driver has not propagated to
that archive yet, as it was accepted at the beginning of this >>month.
There was a previous MAX98090 driver that was published by Kuninori
Morimoto from Renesas that is quite different, and >>will be replaced by
this one. Perhaps you have that one.

>>I am attaching the version of the driver as it was recently accepted into Kernel 3.8.
Hope it gives you what you need.

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Sun, 7 Apr 2013 21:00:40 +0100
Subject: Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#
grep LINEB max98090.*

max98090.h:#define M98090_LINEBEN (1 << 2)

root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs# grep LINEA
max98090.*

max98090.h:#define M98090_LINEAEN

root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs# grep LINEA
max98090_mixer.*

max98090_mixer.c: reg &= ~(M98090_ADLEN | M98090_ADREN |
M98090_MBEN | M98090_LINEAEN | M98090_LINEBEN);

alsamixer is one thing I didn't check on 3.8.4. I'll do it later
to see if more mixer controls appear.

3.8.5 has just been upgraded to 3.8.6 with no changes to mali400
or max98090, I'll see what that brings.

73 ... Sid.

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To: n2adr-sdr@yahoogroups.com

From: fink-hubert@gmx.de

Date: Sun, 7 Apr 2013 08:13:56 +0000

Subject: [n2adr-sdr] Odroid-X with HiQSDR recommend
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936. Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-08 02:57:36 UTC
From: Sid Boyce
Topic: 930 Message: 936

I forgot to run those commands on 3.8.4, shall do so later.
No additional mixer controls with alsamixer in 3.8.4.
3.8.6 doesn't boot ... I have a UART card on order so I can see the
early messages.

There are many files that need changing so copying recent max98090.c and
max98090.h into an older kernel is not enough as there are other API
changes that are included in the new files.
73 ... Sid.

On 08/04/13 00:27, MIKE DURKIN wrote:
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> from Larry ...
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> >Hi Michael,
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> >Hmm... It works for me...
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> Kuninori Morimoto from Renesas that is quite different, and >>will be
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> >>I am attaching the version of the driver as it was recently accepted
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> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Sun, 7 Apr 2013 21:00:40 +0100
> Subject: Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?
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> root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#
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> max98090_mixer.c: reg &= ~(M98090_ADLEN | M98090_ADREN |
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937. Re: Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-08 15:09:15 UTC
From: Hubert
Topic: 930 Message: 937

Hello Sid,
many thanks for answer my question.

I have found that the use of the ODROID is not easy to do with the HiQSDR.

If I understand you correctly, there is no distribution that is easy to use and suitable for beginners.Certainly it is possible for an experienced Linux user to adjust so it works well with the ODROID.

For me i wonder whether the ODROID is suitable for my purposes with the Hiqsdr. (I did not have an Odroid board and i am thinkig about to buy one)

Your packages are great, ease of use and save a lot of time.
But without a good base distribution it was a hard way to setup the Odroid and keep all packages up to date over a long time.

73 dear Sid
Hubert DG7MGY

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I forgot to run those commands on 3.8.4, shall do so later.
> No additional mixer controls with alsamixer in 3.8.4.
> 3.8.6 doesn't boot ... I have a UART card on order so I can see the
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> > Date: Sun, 7 Apr 2013 08:13:56 +0000
> > Subject: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?
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938. Re: [n2adr-sdr] Re: Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-08 16:18:15 UTC
From: Sid Boyce
Topic: 930 Message: 938

There are Ubuntu images on http://www.mdrjr.net/odroid/mirror/ that can
get you started and I am also supplying images.
I am waiting on Pascal to get back to me to say if the image I uploaded
to his site works.
It should with minor mods mainly to suit his local network setup.
If all goes OK for Pascal we can then expose the image for download.

I recommend using at least a full-size 16GB SD card, not one in an
adapter, better still 32GB which will give more than an adequate amount
of storage.
I use a 32GB SD card, a 160GB USB HD, NFS mounted partition with 342GB
spare on a Ubuntu x86_64 box and I have another 500GB USB HD I could use
so I can keep tons of "rubbish" around if I want to.

The boards are powerful enough so software can be built directly on them
rather than having the complexity of using cross compiler toolchains
running on x86 or x86_64.

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driver functional in at least kernel 3.4.6 and then to see if the later
sound driver will expose more mixer controls.
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otherwise fall on the CPU's.

The Samsung Galaxy S4 has 8 CPU's and 8 GPU's and I am waiting to see
what plans hardkernel has for that - that's some serious power in a
small form factor board and I could give up PC's with a few of them and
reclaim a huge amount of shack space.

Hopefully we'll get there soon and the best thing after that would be to
get the ODROID specific kernel additions into the mainline kernel with
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on and maintain it so it will always be current.
73 ... Sid.

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> Hello Sid,
> many thanks for answer my question.
>
> I have found that the use of the ODROID is not easy to do with the HiQSDR.
>
> If I understand you correctly, there is no distribution that is easy
> to use and suitable for beginners.Certainly it is possible for an
> experienced Linux user to adjust so it works well with the ODROID.
>

> For me i wonder whether the ODROID is suitable for my purposes with
> the Hiqsdr. (I did not have an Odroid board and i am thinkig about to
> buy one)
>
> Your packages are great, ease of use and save a lot of time.
> But without a good base distribution it was a hard way to setup the
> Odroid and keep all packages up to date over a long time.
>
> 73 dear Sid
> Hubert DG7MGY
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I forgot to run those commands on 3.8.4, shall do so later.
> > No additional mixer controls with alsamixer in 3.8.4.
> > 3.8.6 doesn't boot ... I have a UART card on order so I can see the
> > early messages.
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> > There are many files that need changing so copying recent max98090.c
> and
> > max98090.h into an older kernel is not enough as there are other API
> > changes that are included in the new files.
> > 73 ... Sid.
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> > >
> > > I dont know which driver they(HK) are trying to incorporate ....
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> > > from Larry ...
> > >
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> > > >
> > > >Hmm... It works for me...
> > > >amixer get 'LINEA Mixer IN1'
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> > > > Capabilities: pswitch pswitch-joined penum
> > > > Playback channels: Mono
> > > > Mono: Playback [off]
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> > > to that archive yet, as it was accepted at the beginning of this
> > > >>month. There was a previous MAX98090 driver that was published by
> > > Kuninori Morimoto from Renesas that is quite different, and >>will be
> > > replaced by this one. Perhaps you have that one.
> > >
> > > >>I am attaching the version of the driver as it was recently
> accepted
> > > into Kernel 3.8. Hope it gives you what you need.
> > >

> > > --
> > > To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
> > > From: g3vbv@...
> > > Date: Sun, 7 Apr 2013 21:00:40 +0100
> > > Subject: Re: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?
> > > >
> > > >
> > > > root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#
> > > > <mailto:root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#> grep LINEB
> > > > max98090.*
> > > > max98090.h:#define M98090_LINEBEN (1 << 2)
> > > >
> > > > root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#
> > > > <mailto:root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#> grep LINEA
> > > > max98090.*
> > > > max98090.h:#define M98090_LINEAEN
> > > >
> > > > root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#
> > > > <mailto:root@G3VBV:/media/1/linux-3.8.4/sound/soc/codecs#> grep LINEA
> > > > max98090_mixer.*
> > > > max98090_mixer.c: reg &= ~(M98090_ADLEN | M98090_ADREN |
> > > > M98090_MBEN | M98090_LINEAEN | M98090_LINEBEN);
> > > >
> > > > alsamixer is one thing I didn't check on 3.8.4. I'll do it later to
> > > > see if more mixer controls appear.
> > > >
> > > > 3.8.5 has just been upgraded to 3.8.6 with no changes to mali400 or
> > > > max98090, I'll see what that brings.
> > > > 73 ... Sid.
> > > >
> > > > On 07/04/13 16:56, MIKE DURKIN wrote:
> > > >
> > > >
> > > > what kernal are you using?
> > > >
> > > > I had a brief email chat with Jerry Wong at Maxim .... and some
> > > > cli commands to use to control gain and internal paths in the
> > > > Max98090 ....
> > > >
> > > > supposedly amixer will work correctly with kernal 3.8(or was it
> > > > 3.9 -- i forget at the moment)
> > > > two examples he sent me
> > > >
> > > > amixer get 'LINEA Mixer IN1'
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> > > > KC7NOA
> > > >
> > > > --
> > > > To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>

> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>>
> > > From: fink-hubert@... <mailto:fink-hubert@...>
> > > Date: Sun, 7 Apr 2013 08:13:56 +0000
> > > Subject: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?
> > >
> > > Hello group,
> > > some days ago i have played with Odroid-X and HiQSDR.
> > >
> > > Two points I have noticed it.
> > > Once could not use the microphone from my headset (allways -90dB)
> > > and it was not possible for me to setup an audio loopback device
> > > with snd-aloop to work with Fldigi and Quisk in digital mode.
> > > (modprobe snd-aloop did not found the module, but the modulefile
> > > exist)
> > >
> > > Distribution was Linaro Ubuntu Linux 12.04 LCD
> > >
> > > Which distribution was recommended to run Quisk and Fldigi on HiQSDR?
> > > What kind of difficulties can be expected?
> > >
> > > Microfone and the audio loopback device for me are key points of
> > > using an Odroid board to build an standalone HiQSDR transceiver.
> > > I think it's possible to fix this with an extra usb sound card.
> > >
> > > Sid i think you have already some experience with an ODROID board
> > > what use you?
> > >
> > > Many thanks 73 de DG7MGY Hubert
> > >
> > >
> > >
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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939. Quisk Version 3.6.9

Yahoo group: n2adr-sdr
Date: 2013-04-10 19:35:19 UTC
From: jimahlstrom
Topic: 939 Message: 939

Quisk Version 3.6.9 April 2013

The new config file parameter digital_output_level controls the sound level to Fldigi, etc. I fixed some small bugs in the Windows DirectX sound system.

When using the Split feature, Quisk can now receive on both the Rx and the Tx frequencies, and play them in stereo. When working DX, you can now hear the DX in one ear and the pileup in the other. I like the lower frequency signal to be left, and the higher one right. This is controlled by the new config file option split_rxtx that can be 1, 2, 3 or 4. See the file quisk_conf_defaults.py (as usual).

This version of Quisk supports the new features in my HiQSDR FPGA firmware version 1.4. If you are using Quisk to set your hardware IP to rx_udp_ip, please be sure that rx_udp_ip_netmask is correct. The default is 255.255.255.0.

Jim
N2ADR

940. Re: Odroid-X with HiQSDR recommend distribution?

Yahoo group: n2adr-sdr
Date: 2013-04-11 17:05:17 UTC
From: Hubert
Topic: 930 Message: 940

Hello Sid,
many thanks for your replay. Exactly what I was looking for.
This is a good base from which I can start from.
I invite me only once download the source image and copy it to a memory card so I can play with the Odroid Board from Helmut.

Perhaps I have too much on the installed Ubuntu discouraged, we'll see.

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> There are Ubuntu images on http://www.mdrjr.net/odroid/mirror/ that can
> get you started and I am also supplying images.
> I am waiting on Pascal to get back to me to say if the image I uploaded
> to his site works.
> It should with minor mods mainly to suit his local network setup.
> If all goes OK for Pascal we can then expose the image for download.
>
> I recommend using at least a full-size 16GB SD card, not one in an
> adapter, better still 32GB which will give more than an adequate amount
> of storage.
> I use a 32GB SD card, a 160GB USB HD, NFS mounted partition with 342GB
> spare on a Ubuntu x86_64 box and I have another 500GB USB HD I could use
> so I can keep tons of "rubbish" around if I want to.
>
> The boards are powerful enough so software can be built directly on them
> rather than having the complexity of using cross compiler toolchains
> running on x86 or x86_64.
>
> The main stumbling block as far as I am concerned is getting the Mali400
> driver functional in at least kernel 3.4.6 and then to see if the later
> sound driver will expose more mixer controls.
> The Mali400 driver is key for me as that takes away the load that would
> otherwise fall on the CPU's.
>
> The Samsung Galaxy S4 has 8 CPU's and 8 GPU's and I am waiting to see
> what plans hardkernel has for that - that's some serious power in a
> small form factor board and I could give up PC's with a few of them and
> reclaim a huge amount of shack space.
>
> Hopefully we'll get there soon and the best thing after that would be to
> get the ODROID specific kernel additions into the mainline kernel with
> 50 odd other ARM platforms so that a wider range of developers can work
> on and maintain it so it will always be current.
> 73 ... Sid.

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> > If I understand you correctly, there is no distribution that is easy
> > to use and suitable for beginners.Certainly it is possible for an
> > experienced Linux user to adjust so it works well with the ODROID.
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> > For me i wonder whether the ODROID is suitable for my purposes with
> > the Hiqsdr. (I did not have an Odroid board and i am thinkig about to
> > buy one)
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> > > > > I had a brief email chat with Jerry Wong at Maxim .... and some
> > > > > cli commands to use to control gain and internal paths in the
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> > > > supposedly amixer will work correctly with kernal 3.8(or was it
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> > > > two examples he sent me
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> > > > amixer set 'LINEA Mixer IN1' on
> > > >
> > > > KC7NOA
> > > >
> > > > --
> > > > To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>>
> > > > From: fink-hubert@ <mailto:fink-hubert@>
> > > > Date: Sun, 7 Apr 2013 08:13:56 +0000
> > > > Subject: [n2adr-sdr] Odroid-X with HiQSDR recommend distribution?
> > > >
> > > > Hello group,
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> > > > Two points I have noticed it.
> > > > Once could not use the microphone from my headset (allways -90dB)
> > > > and it was not possible for me to setup an audio loopback device
> > > > with snd-aloop to work with Fldigi and Quisk in digital mode.
> > > > (modprobe snd-aloop did not found the module, but the modulefile
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> > > >
> > > > Distribution was Linaro Ubuntu Linux 12.04 LCD
> > > >
> > > > Which distribution was recommended to run Quisk and Fldigi on HiQSDR?
> > > > What kind of difficulties can be expected?
> > > >
> > > > Microfone and the audio loopback device for me are key points of
> > > > using an Odroid board to build an standalone HiQSDR transceiver.
> > > > I think it's possible to fix this with an extra usb sound card.
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> > > > Sid i think you have already some experience with an ODROID board
> > > > what use you?
> > > >
> > > > Many thanks 73 de DG7MGY Hubert
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941. VB-Audio Virtual Cable (Windows)

Yahoo group: n2adr-sdr
Date: 2013-04-11 17:12:19 UTC
From: Hubert
Topic: 941 Message: 941

Hello Group,
I have found an alternative to the VAC Virtual Audio Cable for Windows.

The whole is called VB-Audio Virtual Cable and from France.
(Virtual Audio MME, DX, WDM Device Driver XP, Vista, Win7 32/64 bits)
The license is Donationware and works good with Quisk and Fldigi.

Here is the link to the web page with the download link:
http://vb-audio.pagesperso-orange.fr/Cable/index.htm

73 de DG7MGY Hubert

942. Re: [n2adr-sdr] VB-Audio Virtual Cable (Windows)

Yahoo group: n2adr-sdr
Date: 2013-04-11 18:13:01 UTC
From: James Hall
Topic: 941 Message: 942

Glad to hear it, I was messing around with a usb soundcard and a loop back cable last night but not having much luck.

On Thu, Apr 11, 2013 at 1:12 PM, Hubert <fink-hubert@...> wrote:

> **
>
>
> Hello Group,
> I have found an alternative to the VAC Virtual Audio Cable for Windows.
>
> The whole is called VB-Audio Virtual Cable and from France.
> (Virtual Audio MME, DX, WDM Device Driver XP, Vista, Win7 32/64 bits)
> The license is Donationware and works good with Quisk and Fldigi.
>
> Here is the link to the web page with the download link:
> http://vb-audio.pagesperso-orange.fr/Cable/index.htm
>
> 73 de DG7MGY Hubert
>
>
>

943. Re: [n2adr-sdr] Quisk Version 3.6.9

Yahoo group: n2adr-sdr
Date: 2013-04-11 20:36:57 UTC
From: Sid Boyce
Topic: 939 Message: 943

3.6.9 up and running.
I noticed that I can now whistle the MPPA up to 10W immediately after installing FPGA 1.4, with 1.3-sg4 it was only 5W.

I have reconnected the cable to pin 7 of the ribbon cable between the HiQSDR and Preselector and the FDX problem is fixed.
73 ... Sid.

On 10/04/13 20:35, jimahlstrom wrote:
>
> Quisk Version 3.6.9 April 2013
>
> The new config file parameter digital_output_level controls the sound
> level to Fldigi, etc. I fixed some small bugs in the Windows DirectX
> sound system.
>
> When using the Split feature, Quisk can now receive on both the Rx and
> the Tx frequencies, and play them in stereo. When working DX, you can
> now hear the DX in one ear and the pileup in the other. I like the
> lower frequency signal to be left, and the higher one right. This is
> controlled by the new config file option split_rxtx that can be 1, 2,
> 3 or 4. See the file quisk_conf_defaults.py (as usual).
>
> This version of Quisk supports the new features in my HiQSDR FPGA
> firmware version 1.4. If you are using Quisk to set your hardware IP
> to rx_udp_ip, please be sure that rx_udp_ip_netmask is correct. The
> default is 255.255.255.0.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
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944. HiQSDR keying

Yahoo group: n2adr-sdr
Date: 2013-04-19 12:22:40 UTC
From: Sid Boyce
Topic: 944 Message: 944

Looking at Key_and_PTT-HiQSDR.jpg suggests that only a straight key
rather than a paddle can be used.

Am I correct?

I have a keyer based on the Curtis 8044 chip, it's TTL output as shown in
http://techdoc.kvindesland.no/radio/b2/20051213182854342.pdf

http://users.ox.ac.uk/~malcolm/radio/8044print.pdf is also another document.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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945. Re: [n2adr-sdr] HiQSDR keying

Yahoo group: n2adr-sdr
Date: 2013-04-19 13:23:17 UTC
From: Sid Boyce
Topic: 944 Message: 945

OK, answered my own question.
The dots and dashes are generated by the 8044 chip so connection is simple.
73 ... Sid.

On 19/04/13 13:22, Sid Boyce wrote:
>
> Looking at Key_and_PTT-HiQSDR.jpg suggests that only a straight key
> rather than a paddle can be used.
>
> Am I correct?
>
> I have a keyer based on the Curtis 8044 chip, it's TTL output as shown in
> http://techdoc.kvindesland.no/radio/b2/20051213182854342.pdf
>
> http://users.ox.ac.uk/~malcolm/radio/8044print.pdf
> <http://users.ox.ac.uk/%7Emalcolm/radio/8044print.pdf> is also another
> document.
> 73 ... Sid.
>
> --
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946. another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-04-19 17:04:07 UTC
From: rolin791
Topic: 946 Message: 946

Hello people!
I have been experimenting with N2ADR project DDC tranciever.I use a variety of ADC. In my latest project I'm applied AD9649-80 with CLK freq 77.76MHz. I'm changed this value in quisk_conf.py v3.6.9 and in the FPGA v1.4 tranciever.v file--but QUISK work incorrect.
Pleas help me. See foto fnd video in my folder rolin791.
Thank you.

947. Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-21 21:50:07 UTC
From: rune
Topic: 947 Message: 947

HI Gents

I made my cable for the USB blaster today and are ready to install the latest firmware in my HIQSDR. I also installed Qusik and the other files that are needed to get Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load but freez, nothing works.
I found that when using HIQSDR you need to set your sound card in conffile to Primary. What about the hardware I guess i missing someting in my default conf file. anyone that have a woring conf file for win ?

73 Rune LA7THA

948. Re: [n2adr-sdr] Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-21 23:41:45 UTC
From: Sid Boyce
Topic: 947 Message: 948

I have not the foggiest idea about Windows.

Have you got the Altera software installed?
73 ... Sid.

On 21/04/13 22:50, rune wrote:
>
> HI Gents
>
> I made my cable for the USB blaster today and are ready to install the
> latest firmware in my HIQSDR. I also installed Qusik and the other
> files that are needed to get Quisk for win to run. I can ping my
> HIQSDR from my computer but when i start Quisk it load but freez,
> nothing works.
> I found that when using HIQSDR you need to set your sound card in
> conffile to Primary. What about the hardware I guess i missing
> someting in my default conf file. anyone that have a woring conf file
> for win ?
>
> 73 Rune LA7THA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

949. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-22 18:34:59 UTC
From: Hubert
Topic: 947 Message: 949

Hello Rune,
probably you have installed the 64Bit version of python
Quisk are compiled as 32Bit.
Or a wrong playback device instead of "Primary Sound Driver" i use
"Speaker" as reported from "Quisk Config Sound"

With both packages Quisk are running well on my Windows 7 64Bit.
Python fÃ¼r Windows 32Bit Download:
http://www.python.org/download/releases/2.7.4/
http://www.python.org/ftp/python/2.7.4/python-2.7.4.msi

wxPython fÃ¼r Windows 32Bit Download:
http://wxpython.org/download.php
http://downloads.sourceforge.net/wxpython/wxPython2.8-win32-unicode-2.8.12.1-py27.exe

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> HI Gents
>
> I made my cable for the USB blaster today and are ready to install the latest firmware in my HIQSDR. I also installed Qusik and the other files that are needed to get Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load but freez, nothing works.
> I found that when using HIQSDR you need to set your sound card in conffile to Primary. What about the hardware I guess i missing someting in my default conf file. anyone that have a woring conf file for win ?
>
> 73 Rune LA7THA
>

950. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-22 20:20:24 UTC
From: rune
Topic: 947 Message: 950

HI Sid
Yes i got the altera software installed and i have also programmed according to RV3APM info. When i selected the file and hit START it was a click in the HIQSDR and 4-5 RED LED`s that turned ON. I was also able to see the progres in the Altera Software and it say 100% completed. It was done in around 1-1.5 min. Next, i will now install guisk again and see.

Regards
Rune

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I have not the foggiest idea about Windows.
>
> Have you got the Altera software installed?
> 73 ... Sid.
>
>
> On 21/04/13 22:50, rune wrote:
> >
> > HI Gents
> >
> > I made my cable for the USB blaster today and are ready to install the
> > latest firmware in my HIQSDR. I also installed Qusik and the other
> > files that are needed to get Quisk for win to run. I can ping my
> > HIQSDR from my computer but when i start Quisk it load but freez,
> > nothing works.
> > I found that when using HIQSDR you need to set your sound card in
> > conffile to Primary. What about the hardware I guess i missing
> > someting in my default conf file. anyone that have a woring conf file
> > for win ?
> >
> > 73 Rune LA7THA
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

951. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-22 20:21:32 UTC
From: rune
Topic: 947 Message: 951

Hi

I will try again using your link.

Regards
Rune

--- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@...> wrote:
>
>
>
> Hello Rune,
> probably you have installed the 64Bit version of python
> Quisk are compiled as 32Bit.
> Or a wrong playback device instead of "Primary Sound Driver" i use
> "Speaker" as reported from "Quisk Config Sound"
>
> With both packages Quisk are running well on my Windows 7 64Bit.
> Python fÃ¼r Windows 32Bit Download:
> http://www.python.org/download/releases/2.7.4/
> http://www.python.org/ftp/python/2.7.4/python-2.7.4.msi
>
> wxPython fÃ¼r Windows 32Bit Download:
> http://wxpython.org/download.php
> http://downloads.sourceforge.net/wxpython/wxPython2.8-win32-unicode-2.8.12.1-py27.exe
>
> 73 de DG7MGY Hubert
>
> --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> >
> > HI Gents
> >
> > I made my cable for the USB blaster today and are ready to install the latest firmware in my HIQSDR. I also installed Qusik and the other files that are needed to get Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load but freez, nothing works.
> > I found that when using HIQSDR you need to set your sound card in conffile to Primary. What about the hardware I guess i missing someting in my default conf file. anyone that have a woring conf file for win ?
> >
> > 73 Rune LA7THA
> >
>

952. Re: [n2adr-sdr] Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-22 21:03:06 UTC
From: Sid Boyce
Topic: 947 Message: 952

OK Rune,
Glad it's all gone well.
When I started there wasn't a straightforward guide and I was flipping between Altera volumes to get some idea.

Eventually I found a command line way of doing it that was very easy so I have always used the command line to program the firmware in seconds.
73 ... Sid.

On 22/04/13 21:20, rune wrote:
>
> HI Sid
> Yes i got the altera software installed and i have also programmed
> according to RV3APM info. When i selected the file and hit START it
> was a click in the HIQSDR and 4-5 RED LED`s that turned ON. I was also
> able to see the progres in the Altera Software and it say 100%
> completed. It was done in around 1-1.5 min. Next, i will now install
> guisk again and see.
>
> Regards
> Rune
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I have not the foggiest idea about Windows.
> >
> > Have you got the Altera software installed?
> > 73 ... Sid.
> >
> >
> > On 21/04/13 22:50, rune wrote:
> > >
> > > HI Gents
> > >
> > > I made my cable for the USB blaster today and are ready to install
> the
> > > latest firmware in my HIQSDR. I also installed Qusik and the other
> > > files that are needed to get Quisk for win to run. I can ping my
> > > HIQSDR from my computer but when i start Quisk it load but freez,
> > > nothing works.
> > > I found that when using HIQSDR you need to set your sound card in
> > > conffile to Primary. What about the hardware I guess i missing
> > > someting in my default conf file. anyone that have a woring conf file
> > > for win ?

> > >
> > > 73 Rune LA7THA
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>

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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

953. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-23 15:27:38 UTC
From: rune
Topic: 947 Message: 953

HI

I unistall and install again according to your link but still same result. I am a litle confused about the conf.py file.

1. I made a copy of quisk_default_conf.py file and placed in My Documents.
This file is renamed to quisk_conf.py Do i need to use the DOT in front of the quisk_conf.py like this .quisk_conf.py ????.

2
From where do i copy what kind of hardware i am using ??? and do i paste that into my quisk_conf.py ???

3.
My version of XP is Norewgian and my folder is named Mine Dokumenter, in english it is the same as My Documents folder. I guess i need to rename my folder to English "version" > My Documents.

4.
When i start qusik do quisk load and look for what is in quisk_conf.py

I am a little confused about this.

73 Rune LA7THA

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> Hi
>
> I will try again using your link.
>
> Regards
> Rune
>
>
> --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> >
> >
> >
> > Hello Rune,
> > probably you have installed the 64Bit version of python
> > Quisk are compiled as 32Bit.
> > Or a wrong playback device instead of "Primary Sound Driver" i use
> > "Speaker" as reported from "Quisk Config Sound"
> >
> > With both packages Quisk are running well on my Windows 7 64Bit.
> > Python fÃ¼r Windows 32Bit Download:

> > http://www.python.org/download/releases/2.7.4/
> > http://www.python.org/ftp/python/2.7.4/python-2.7.4.msi
> >
> > wxPython fÃ¼r Windows 32Bit Download:
> > http://wxpython.org/download.php
> > http://downloads.sourceforge.net/wxpython/wxPython2.8-win32-unicode-2.8.12.1-py27.exe
> >
> > 73 de DG7MGY Hubert
> >
> > --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> > >
> > > HI Gents
> > >
> > > I made my cable for the USB blaster today and are ready to install the latest firmware in my HIQSDR. I also installed Qusik and the other files that are needed to get Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load but freez, nothing works.
> > > I found that when using HIQSDR you need to set your sound card in conffile to Primary. What about the hardware I guess i missing someting in my default conf file. anyone that have a woring conf file for win ?
> > >
> > > 73 Rune LA7THA
> > >
> > >
>

954. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-23 15:46:36 UTC
From: rune
Topic: 947 Message: 954

Hi Again maybe i can use the file from this link ?.

http://hiqsdr.com/hiqsdr-wiki/index.php?title=HiQSDR-Software

73 Rune

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> HI
>
> I unistall and install again according to your link but still same result. I am a litle confused about the conf.py file.
>
> 1. I made a copy of quisk_default_conf.py file and placed in My Documents.
> This file is renamed to quisk_conf.py Do i need to use the DOT in front of the quisk_conf.py like this .quisk_conf.py ????.
>
>
> 2
> From where do i copy what kind of hardware i am using ??? and do i paste that into my quisk_conf.py ???
>
> 3.
> My version of XP is Norewgian and my folder is named Mine Dokumenter, in english it is the same as My Documents folder. I guess i need to rename my folder to English "version" > My Documents.
>
> 4.
> When i start qusik do quisk load and look for what is in quisk_conf.py
>
> I am a little confused about this.
>
> 73 Rune LA7THA
>
>
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> >
> > Hi
> >
> > I will try again using your link.
> >
> > Regards
> > Rune

> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> > >
> > >
> > >
> > > Hello Rune,
> > > probably you have installed the 64Bit version of python
> > > Quisk are compiled as 32Bit.
> > > Or a wrong playback device instead of "Primary Sound Driver" i use
> > > "Speaker" as reported from "Quisk Config Sound"
> > >
> > > With both packages Quisk are running well on my Windows 7 64Bit.
> > > Python fÃ¼r Windows 32Bit Download:
> > > http://www.python.org/download/releases/2.7.4/
> > > http://www.python.org/ftp/python/2.7.4/python-2.7.4.msi
> > >
> > > wxPython fÃ¼r Windows 32Bit Download:
> > > http://wxpython.org/download.php
> > >
http://downloads.sourceforge.net/wxpython/wxPython2.8-win32-unicode-2.8.12.1-py27.exe
> > >
> > > 73 de DG7MGY Hubert
> > >
> > > --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> > > >
> > > > HI Gents
> > > >
> > > > I made my cable for the USB blaster today and are ready to install the latest
firmware in my HIQSDR. I also installed Qusik and the other files that are needed to get
Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load
but freez, nothing works.
> > > > I found that when using HIQSDR you need to set your sound card in conffile to
Primary. What about the hardware I guess i missing someting in my default conf file. anyone
that have a woring conf file for win ?
> > > >
> > > > 73 Rune LA7THA
> > > >
> > >
> >
>

955. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-23 16:25:38 UTC
From: Hubert
Topic: 947 Message: 955

Hello Rune,
if your HiQSDR response of your ping now it should run.
You are using the right python version also ok
For me looks like a problem with your config file quisk_conf.py

If you made a copy from your Linux .quisk_conf.py think about
the different coding and linefeed. The Windows file use not a dot at the beginning of the filename "quisk_conf.py"

1. No dot at the beginning
2. Create a new quisk_conf.py open it with the Idle-Editor and take all parameters from your Linux .quisk_conf.py to this file
Edit "name_of_sound_play" to your reported Soundcard now the same with "microphone_name"
3. Could be the problem ?

Ill send you a copy of mine Windows quisk_conf.py to your Mail address

73 de DG7MGY Hubert

--- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@...> wrote:
>
> HI
>
> I unistall and install again according to your link but still same result. I am a litle confused about the conf.py file.
>
> 1. I made a copy of quisk_default_conf.py file and placed in My Documents.
> This file is renamed to quisk_conf.py Do i need to use the DOT in front of the quisk_conf.py like this .quisk_conf.py ????.
>
>
> 2
> From where do i copy what kind of hardware i am using ??? and do i paste that into my quisk_conf.py ???
>
> 3.
> My version of XP is Norewgian and my folder is named Mine Dokumenter, in english it is the same as My Documents folder. I guess i need to rename my folder to English "version" > My Documents.
>
> 4.
> When i start qusik do quisk load and look for what is in quisk_conf.py
>
> I am a little confused about this.
>
> 73 Rune LA7THA

>
>
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> >
> > Hi
> >
> > I will try again using your link.
> >
> > Regards
> > Rune
> >
> >
> > --- In n2adr-sdr@yahoogroups.com, "Hubert" <fink-hubert@> wrote:
> > >
> > >
> > >
> > > Hello Rune,
> > > probably you have installed the 64Bit version of python
> > > Quisk are compiled as 32Bit.
> > > Or a wrong playback device instead of "Primary Sound Driver" i use
> > > "Speaker" as reported from "Quisk Config Sound"
> > >
> > > With both packages Quisk are running well on my Windows 7 64Bit.
> > > Python fÃ¼r Windows 32Bit Download:
> > > http://www.python.org/download/releases/2.7.4/
> > > http://www.python.org/ftp/python/2.7.4/python-2.7.4.msi
> > >
> > > wxPython fÃ¼r Windows 32Bit Download:
> > > http://wxpython.org/download.php
> > >
http://downloads.sourceforge.net/wxpython/wxPython2.8-win32-unicode-2.8.12.1-py27.exe
> > >
> > > 73 de DG7MGY Hubert
> > >
> > > --- In n2adr-sdr@yahoogroups.com, "rune" <runeegil@> wrote:
> > > >
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Quisk for win to run. I can ping my HIQSDR from my computer but when i start Quisk it load
but freez, nothing works.
> > > > I found that when using HIQSDR you need to set your sound card in conffile to
Primary. What about the hardware I guess i missing someting in my default conf file. anyone
that have a woring conf file for win ?
> > > >
> > > > 73 Rune LA7THA

> > > >
> > >
> >
>

956. Hi Stefan -- gnuradio_audio.diff

Yahoo group: n2adr-sdr
Date: 2013-04-23 16:42:07 UTC
From: Sid Boyce
Topic: 956 Message: 956

Any chance of getting this diff upstream?

I hand patch the source in later versions, currently
v3.6.4.1-184-g669614b0 in openSUSE x86_64 and ARM.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

--
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

958. quisk for Mac

Yahoo group: n2adr-sdr
Date: 2013-04-25 11:01:46 UTC
From: kh2tc
Topic: 957 Message: 958

Hello all

I want to run quisk on Mac.
I cann't install wxPython as follows. Please five me some advices.
I wonder who make a " setup script " ? me?
Thank you.

```
sh-3.2# easy_install wxPython
Searching for wxPython
Reading http://pypi.python.org/simple/wxPython/
Reading http://wxPython.org/
Reading http://wxPython.org/download.php
Best match: wxPython src-2.9.4.0
Downloading http://downloads.sourceforge.net/wxpython/wxPython-src-2.9.4.0.tar.bz2
Processing wxPython-src-2.9.4.0.tar.bz2
error: Couldn't find a setup script in
/tmp/easy_install-vvAH7D/wxPython-src-2.9.4.0.tar.bz2
```

```
sh-3.2# arch -i386 python quisk.py
Traceback (most recent call last):
File "quisk.py", line 22, in <module>
import wxversion # Thanks to Mario, DH5YM
ImportError: No module named wxversion
sh-3.2# exit
osaki-no-MacBook-Pro:quisk ozakiyoshinori$
```

959. quisk for Mac

Yahoo group: n2adr-sdr
Date: 2013-04-25 11:01:48 UTC
From: kh2tc
Topic: 957 Message: 959

Hello all

I want to run quisk on Mac.
I cann't install wxPython as follows. Please five me some advices.
I wonder who make a " setup script " ? me?
Thank you.

```
sh-3.2# easy_install wxPython
Searching for wxPython
Reading http://pypi.python.org/simple/wxPython/
Reading http://wxPython.org/
Reading http://wxPython.org/download.php
Best match: wxPython src-2.9.4.0
Downloading http://downloads.sourceforge.net/wxpython/wxPython-src-2.9.4.0.tar.bz2
Processing wxPython-src-2.9.4.0.tar.bz2
error: Couldn't find a setup script in
/tmp/easy_install-vvAH7D/wxPython-src-2.9.4.0.tar.bz2
```

```
sh-3.2# arch -i386 python quisk.py
Traceback (most recent call last):
File "quisk.py", line 22, in <module>
import wxversion # Thanks to Mario, DH5YM
ImportError: No module named wxversion
sh-3.2# exit
osaki-no-MacBook-Pro:quisk ozakiyoshinori$
```

960. Re: Quisk

Yahoo group: n2adr-sdr
Date: 2013-04-27 15:28:17 UTC
From: jimahlstrom
Topic: 947 Message: 960

Hello Rune,

To see what configuration file is in use, go to the Status tab on the Config screen. The config file is shown. You must have a valid config file to run Quisk, and Quisk must be able to find it. You can specify the config file name with the -c command line option instead of using the default name.

If your default location in "Mine Dokumenter" is not found, please let me know so I can add another language to Quisk.

Please do not copy all of quisk_conf_defaults.py to your config file. You only put lines in your config file that are different from quisk_conf_defaults.py.

Jim
N2ADR

961. quisk vs qsdr

Yahoo group: n2adr-sdr
Date: 2013-04-28 00:09:34 UTC
From: Sid Boyce
Topic: 961 Message: 961

quisk --- PTT and output power creeps up to ~3W with no speech and on speech ~7W.

qsdr -- PTT, no output power without speech and on speech a little over 10W.

Has anyone else seen this? HiQSDR/Preselector/MPPA.

One W station reported that with PTT and no speech there was a background noise which disappeared when I spoke and from my SWR I thought I had an RF leakage problem but seeing qsdr looking perfectly normal I recognised it must be a software issue with quisk.

Only problem with qsdr is that occasionally sound goes and I have to quit and restart it. With qsdr-1.0.1 the problem is not as severe as it was with 1.0.0 where sound would quit in a few seconds.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

962. Sound Problem,s using Quisk V3.6.9 with Windows

Yahoo group: n2adr-sdr
Date: 2013-04-28 18:08:42 UTC
From: Helmut Goebkes
Topic: 962 Message: 962

Hi Group, Hi Jim,

i have severe Sound Problems unsing the new Quisk Version 3.6.9
under Windows 7 operating System.
The Sound is distorted, sounds like two Sound bugffers simultanously with some echoes, and a lot of scratches about every second.
Always if the scratches can be heard, the latency time (in Status) Drops drastically.
This is not a HiQSDR Firmware Problem, same behavour with Firmware 1.3, 1.4 and 1.4 from Stefan. But if you use QUISK 3.6.8 no Sound
distortions are found.

The Problem can be reduced for a Moment usinfg a different Output Sound sample rate, if switching to 16 Bit, 96 KHz, for about a Minute all is ok but then again the distortions and scratches are heard.
most scrtaches and distorstion are found if soundcard digitation is set to 44.KHz/16Bit, but again alll only with the new 3.6.9 Quisk, under 3.6.8 all ist ok.

Same behaviour found at the Installation of a friends Computer (DG3MDE) but - curios- sound on DG7MGYs Windows is ok!?!
DG7MGY tested also under Linux and found no Problems....

I tested only RX currently, but i assume that in TX the same problem exist

best regards & 73!

Helmut

963. Re: [n2adr-sdr] quisk vs qsdr

Yahoo group: n2adr-sdr
Date: 2013-04-28 20:29:30 UTC
From: Sid Boyce
Topic: 961 Message: 963

Making it clearer, SWR is OK, it's only power output where I am seeing
the difference.

A closer look, with quisk ~3W PEP without speech, ~7W PEP with speech.

qsdr - 0W without speech and 12W PEP with speech.
qsdr occasionally loses speech and also freezes solid but not as
frequently on 1.0.1. It'll run for between a few minutes and many hours
before it hits a problem.

Yesterday qsdr ran for over 15 hours without a problem then failed twice
within 3 minutes.
73 ... Sid.

On 28/04/13 01:09, Sid Boyce wrote:
>
> quisk --- PTT and output power creeps up to ~3W with no speech and on
> speech ~7W.
>
> qsdr -- PTT, no output power without speech and on speech a little
> over 10W.
>
> Has anyone else seen this? HiQSDR/Preselector/MPPA.
>
> One W station reported that with PTT and no speech there was a
> background noise which disappeared when I spoke and from my SWR I
> thought I had an RF leakage problem but seeing qsdr looking perfectly
> normal I recognised it must be a software issue with quisk.
>
> Only problem with qsdr is that occasionally sound goes and I have to
> quit and restart it. With qsdr-1.0.1 the problem is not as severe as it
> was with 1.0.0 where sound would quit in a few seconds.
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>

--
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964. Re: quisk vs qsdr

Yahoo group: n2adr-sdr
Date: 2013-04-29 15:09:43 UTC
From: jimahlstrom
Topic: 961 Message: 964

Hello Sid,

I think the output with no speech is a result of the microphone automatic gain control. With no speech the gain slowly increases until it picks up noise. To test this, try speaking. The gain will drop and the noise should disappear, then slowly return. I haven't had a problem with this because I don't hold down PTT without speaking.

The point of mic AGC is to get a standard mic level for the subsequent clipping stages.

I can add a few parameters to the config file to control maximum gain and the rate of increase if you want. But removing mic AGC is unwise.

Jim
N2ADR

965. Re: Sound Problem,s using Quisk V3.6.9 with Windows

Yahoo group: n2adr-sdr
Date: 2013-04-29 15:17:16 UTC
From: jimahlstrom
Topic: 962 Message: 965

Hello Helmut,

There was a change in the last version that may be causing the problem. The change was needed because if you turn off power to the hardware, it left a zombie process under Windows. But I only detected the problem with quisk_vna under Linux, not with quisk.py.

I tested the newest version under Windows 7 and it works fine with these parameters:

latency_millisecs = 150
data_poll_usec = 20000

Try that, and let me know if it doesn't work.

Jim
N2ADR

966. Re: [n2adr-sdr] Re: quisk vs qsdr

Yahoo group: n2adr-sdr
Date: 2013-04-29 16:44:03 UTC
From: Sid Boyce
Topic: 961 Message: 966

Thanks Jim,
That is exactly what happens, if I speak immediately it's OK and
covering the Mic it drops to zero and creeps up to 3W when I uncover it.
73 ... Sid.

On 29/04/13 16:09, jimahlstrom wrote:
>
> Hello Sid,
>
> I think the output with no speech is a result of the microphone
> automatic gain control. With no speech the gain slowly increases until
> it picks up noise. To test this, try speaking. The gain will drop and
> the noise should disappear, then slowly return. I haven't had a
> problem with this because I don't hold down PTT without speaking.
>
> The point of mic AGC is to get a standard mic level for the subsequent
> clipping stages.
>
> I can add a few parameters to the config file to control maximum gain
> and the rate of increase if you want. But removing mic AGC is unwise.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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967. Re: [n2adr-sdr] Re: Sound Problem,s using Quisk V3.6.9 with Windows

Yahoo group: n2adr-sdr
Date: 2013-04-29 18:57:15 UTC
From: <hgoebkes@...>
Topic: 962 Message: 967

Hi Jim,

thanks for the hint, looks good and works without problems now!

i had in my quisk_config.py:

latency_millisecs = 25
data_poll_usec = 10000

wich seems to be to short ;-(

73!
Helmut, DB1CC

From: jimahlstrom
Sent: Monday, April 29, 2013 5:17 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Re: Sound Problem,s using Quisk V3.6.9 with Windows

Hello Helmut,

There was a change in the last version that may be causing the problem. The change was needed because if you turn off power to the hardware, it left a zombie process under Windows. But I only detected the problem with quisk_vna under Linux, not with quisk.py.

I tested the newest version under Windows 7 and it works fine with these parameters:

latency_millisecs = 150
data_poll_usec = 20000

Try that, and let me know if it doesn't work.

Jim
N2ADR

968. Quisk Version 3.6.10 May 2013

Yahoo group: n2adr-sdr
Date: 2013-05-09 13:34:03 UTC
From: jimahlstrom
Topic: 968 Message: 968

I made some changes to my n2adr hardware and widget files. I increased the timeout for select() in the UDP code. I added a patch from David Turnbull, AE9RB, to make Quisk USB control work with the Peaberry. The problem was discovered and solved by ON7VQ.

Windows changes the Documents folder name for different languages, and has no standard way to find it. I added "Mine Dokumenter" to the list.

The AGC release time and mic gain control are now parameters in the config file.

I added some features from Christof, DJ4CM: additional color control, double click tune on favorites screen, and format changes.

Jim
N2ADR

969. SoftRock Ensemble RX II LF/HF(HF) dos not change bands

Yahoo group: n2adr-sdr
Date: 2013-05-10 11:24:43 UTC
From: Bato, Andras
Topic: 969 Message: 969

It seems QUISK does nor change bands both under Linux (latest ubuntu)
and under windows (8 pro).
It stays under 40 meters even when it shows 20 m, there are the same
stations when tuning up and down!
How can I modify my config file to be able to listen on each band?

gl de ha6nn
Andras

970. Re: [n2adr-sdr] SoftRock Ensemble RX II LF/HF(HF) dos not change bands

Yahoo group: n2adr-sdr
Date: 2013-05-10 13:46:31 UTC
From: Sid Boyce
Topic: 969 Message: 970

```
No problems on either openSUSE 13.0 Milestone 0 or Kubuntu 13.04.
---------------------------------- CUT
----------------------------------------
# This is a sample config file for the N2ADR 2010 transceiver hardware
and for the
# improved version HiQSDR. If you use the HiQSDR you should upgrade
your firmware
# to version 1.1.

from hiqsdr import quisk_hardware

add_imd_button = 1
add_fdx_button = 1
latency_millisecs = 50
# tx_level = {None:120, '60':52} # Use this to change your
transmit level.

#use_rx_udp = 1 # Use this for the N2ADR
2010 hardware
use_rx_udp = 2 # Use this for the HiQSDR
rx_udp_ip = "192.168.2.196" # Sample source IP address
rx_udp_port = 0xBC77 # Sample source UDP port
rx_udp_clock = 122880000 # ADC sample rate in Hertz
rx_udp_decimation = 8 * 8 * 8 # Decimation from clock to UDP sample rate
sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)
# Don't change this
name_of_sound_capt = "" # We do not capture from the
soundcard
name_of_sound_play = "hw:0"
data_poll_usec = 10000
playback_rate = 48000
correct_smeter = 21.5

microphone_name = "hw:0"
tx_ip = rx_udp_ip
key_method = "" # Use internal method
tx_audio_port = 0xBC79
mic_out_volume = 1.0
---------------------------------------- cut
----------------------------------------
73 ... Sid.

On 10/05/13 12:24, Bato, Andras wrote:
> It seems QUISK does nor change bands both under Linux (latest ubuntu)
> and under windows (8 pro).
> It stays under 40 meters even when it shows 20 m, there are the same
```

> stations when tuning up and down!
> How can I modify my config file to be able to listen on each band?
>
> gl de ha6nn
> Andras
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
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>

--
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971. Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-11 11:36:19 UTC
From: wa9sdj
Topic: 971 Message: 971

After recently discovering the joy of Quisk, further search led me here, all I can say is I'm quite sorry it took me this long to find! What a great project!

I'm anxious to get started with HiQSDR and would like to pass this list of parts to the group to make sure I've got a complete setup.

I believe all parts are available from http://www.technologie2000.de/?

Here is what I have gathered so far:

HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
HiQSDR less noise switching regulator for HiQSDR
HiQSDR MPPA (10W-Medium Power PA) finished module, completely assembled and tested
HiQSDR Preselector complete built & tested
iQSDR Preselector Filter Module Panel, Teilbestückt / Partly built

I don't think the above comes with interconnect cabling?

SMA cable set for preselector set
Micro Match Flat Cable Connector for preselector

Anything I've forgotten? I'm also 100% Linux, any firmware loading issues etc to note?

Many thanks
Andy

WA9SDJ

972. Re: [n2adr-sdr] Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-11 14:17:05 UTC
From: Sid Boyce
Topic: 971 Message: 972

I'll retrace my ordering steps.

HiQSDR built and ready to use.
I initially used my own linear P.S +13.8V --> LM338 --> +6.5V.
The SMA cables for RX and TX I made up.
The flat ribbon cable for PTT and Key comes with the HiQSDR.

Next was the Preselector, partially built so I had to wind the toroids supplied as the capacitors were already soldered on to the BPF boards. The different wire sizes I ordered separately from Conrad Electronics but should be available from Digikey and other sources.

The flat ribbon cable between the HiQSDR and Preselector is supplied with the Preselector.
SMA cables I made up.

The 10W MPPA ready built is a direct plugin unit. I added a 1/4" thick copper heat spreader and a heatsink.

I have now built everything into a 300mm x 250mm x 50mm high aluminium case - Thanks to DG7MGY for the idea.
I included one of the SMPS, the same as Helmut supplies for the HiQSDR - I had 10 that I ordered quite a while ago from Hong Kong or China but wasn't sure whether they were suitable for the HiQSDR and they were being used to provide power to other stuff around the shack, USB hubs, USB hard drives, etc. where the wall warts had failed, then I saw Helmut was using them.

I made up a PTT switch from a push-to-make push-to-break switch without the knob, soldered a nut on the end to avoid having to push on a pointed shaft and it works great. With quisk, finding the mouse pointer and clicking PTT probably gave the impression I had nodded off several times during QSO's.

See Photos --> DG7MGY and Photos --> G3VBV.
73 ... Sid.

On 11/05/13 12:36, wa9sdj wrote:
>
> After recently discovering the joy of Quisk, further search led me
> here, all I can say is I'm quite sorry it took me this long to find!
> What a great project!
>
> I'm anxious to get started with HiQSDR and would like to pass this
> list of parts to the group to make sure I've got a complete setup.
>
> I believe all parts are available from http://www.technologie2000.de/?

>
> Here is what I have gathered so far:
>
> HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
> HiQSDR less noise switching regulator for HiQSDR
> HiQSDR MPPA (10W-Medium Power PA) finished module, completely
> assembled and tested
> HiQSDR Preselector complete built & tested
> iQSDR Preselector Filter Module Panel, Teilbest?ckt / Partly built
>
> I don't think the above comes with interconnect cabling?
>
> SMA cable set for preselector set
> Micro Match Flat Cable Connector for preselector
>
> Anything I've forgotten? I'm also 100% Linux, any firmware loading
> issues etc to note?
>
> Many thanks
> Andy
>
> WA9SDJ
>
>

--
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973. Re: another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-05-11 14:43:20 UTC
From: rolin791
Topic: 946 Message: 973

Please , tell me, how i can change sample rate list in the Quisk/.

974. Re: [n2adr-sdr] Re: another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-05-11 15:10:21 UTC
From: Sid Boyce
Topic: 946 Message: 974

Do you mean so you have other choices than 48K, 96K, 192K, 240K,
384K,480K and 960K available under Config --> Config?

I think they have to be multiples of 48K with the HiQSDR and are common
samplerates used with Softrock etc.

What's the thinking here?
73 ... Sid.

On 11/05/13 15:43, rolin791 wrote:
>
>
> Please , tell me, how i can change sample rate list in the Quisk/.
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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975. Re: another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-05-11 17:03:55 UTC
From: rolin791
Topic: 946 Message: 975

If I change CLK frequency on 80 MHz, have some decimation coefficient, when sample rate very close to 48 kHz.
In the quisk_conf-default was writed:
Quisk has a custom decimation scheme for each sample rate. The allowable sample rates
are the four SDR-IQ rates plus 24, 48, 96, 192, 240, 384, 480, and 960 ksps. Other rates
can be added.

But I can not do it.

I will remake my project on 122880 kHz. I wonder to experiment.

>
> I think they have to be multiples of 48K with the HiQSDR and are common
> samplerates used with Softrock etc.
>
> What's the thinking here?

>
>

976. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-11 18:26:23 UTC
From: Graeme
Topic: 971 Message: 976

I didn't get the flat cable for key and ptt so you need to check that in case Sid was just lucky and they are not normally shipped.

The filtering is so good on the HiQSDR power input that I do not get any noise from my homebrew switching PSU even when out of its double shielded box.

I am in the process of installing the radio in a homebrew case including a preselector and 20 Watt Amp. Don't stint on the case as this great radio warrants a top job here.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I'll retrace my ordering steps.
>
> HiQSDR built and ready to use.
> I initially used my own linear P.S +13.8V --> LM338 --> +6.5V.
> The SMA cables for RX and TX I made up.
> The flat ribbon cable for PTT and Key comes with the HiQSDR.
>
> Next was the Preselector, partially built so I had to wind the toroids
> supplied as the capacitors were already soldered on to the BPF boards.
> The different wire sizes I ordered separately from Conrad Electronics
> but should be available from Digikey and other sources.
>
> The flat ribbon cable between the HiQSDR and Preselector is supplied
> with the Preselector.
> SMA cables I made up.
>
> The 10W MPPA ready built is a direct plugin unit. I added a 1/4" thick
> copper heat spreader and a heatsink.
>
> I have now built everything into a 300mm x 250mm x 50mm high aluminium
> case - Thanks to DG7MGY for the idea.
> I included one of the SMPS, the same as Helmut supplies for the HiQSDR -
> I had 10 that I ordered quite a while ago from Hong Kong or China but
> wasn't sure whether they were suitable for the HiQSDR and they were
> being used to provide power to other stuff around the shack, USB hubs,
> USB hard drives, etc. where the wall warts had failed, then I saw Helmut
> was using them.
>
> I made up a PTT switch from a push-to-make push-to-break switch without
> the knob, soldered a nut on the end to avoid having to push on a pointed
> shaft and it works great. With quisk, finding the mouse pointer and
> clicking PTT probably gave the impression I had nodded off several times
> during QSO's.

>
> See Photos --> DG7MGY and Photos --> G3VBV.
> 73 ... Sid.
>
> On 11/05/13 12:36, wa9sdj wrote:
> >
> > After recently discovering the joy of Quisk, further search led me
> > here, all I can say is I'm quite sorry it took me this long to find!
> > What a great project!
> >
> > I'm anxious to get started with HiQSDR and would like to pass this
> > list of parts to the group to make sure I've got a complete setup.
> >
> > I believe all parts are available from http://www.technologie2000.de/?
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> > Here is what I have gathered so far:
> >
> > HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
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> > assembled and tested
> > HiQSDR Preselector complete built & tested
> > iQSDR Preselector Filter Module Panel, Teilbestückt / Partly built
> >
> > I don't think the above comes with interconnect cabling?
> >
> > SMA cable set for preselector set
> > Micro Match Flat Cable Connector for preselector
> >
> > Anything I've forgotten? I'm also 100% Linux, any firmware loading
> > issues etc to note?
> >
> > Many thanks
> > Andy
> >
> > WA9SDJ
> >
> >
>
>
> --
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>

977. Re: [n2adr-sdr] Re: another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-05-11 18:34:23 UTC
From: Sid Boyce
Topic: 946 Message: 977

In sdriqpkg/quisk_hardware.py I see decimation rates defined so
alternative numbers may have to be calculated and placed there.
.....
class Hardware(BaseHardware):
decimations = [1250, 600, 500, 360]
.....
73 ... Sid.

On 11/05/13 18:03, rolin791 wrote:
>
> If I change CLK frequency on 80 MHz, have some decimation coefficient,
> when sample rate very close to 48 kHz.
> In the quisk_conf-default was writed:
> # Quisk has a custom decimation scheme for each sample rate. The
> allowable sample rates
> # are the four SDR-IQ rates plus 24, 48, 96, 192, 240, 384, 480, and
> 960 ksps. Other rates
> # can be added.
>
> But I can not do it.
>
> I will remake my project on 122880 kHz. I wonder to experiment.
>
> >
> > I think they have to be multiples of 48K with the HiQSDR and are common
> > samplerates used with Softrock etc.
> >
> > What's the thinking here?
>
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>
>

--
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978. Re: [n2adr-sdr] Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-11 19:06:24 UTC
From: Sid Boyce
Topic: 971 Message: 978

May be I was lucky, I ordered very early on.

The DC-DC convertor is very small and I see no noise from it.

I have some spurs that appear on other gear also so it must be something in the shack from the array of gear and cables capable of putting out digital noise but I have not attempted to trace the cause.

With the case I have there should be room to take the 100W PA/LPF and a suitable heatsink.

The front panel looks a bit sparse and I'm thinking of adding the NETACTIVE and DUPLEX LED's ... looks like LED+ --> Resistor --> +3.3V, LED- --> NETACTIVE/, DUPLEX/.
73 ... Sid.

On 11/05/13 19:26, Graeme wrote:
>
> I didn't get the flat cable for key and ptt so you need to check that
> in case Sid was just lucky and they are not normally shipped.
>
> The filtering is so good on the HiQSDR power input that I do not get
> any noise from my homebrew switching PSU even when out of its double
> shielded box.
>
> I am in the process of installing the radio in a homebrew case
> including a preselector and 20 Watt Amp. Don't stint on the case as
> this great radio warrants a top job here.
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I'll retrace my ordering steps.
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> > I initially used my own linear P.S +13.8V --> LM338 --> +6.5V.
> > The SMA cables for RX and TX I made up.
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> > Next was the Preselector, partially built so I had to wind the toroids
> > supplied as the capacitors were already soldered on to the BPF boards.
> > The different wire sizes I ordered separately from Conrad Electronics
> > but should be available from Digikey and other sources.
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> > The flat ribbon cable between the HiQSDR and Preselector is supplied
> > with the Preselector.
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> > The 10W MPPA ready built is a direct plugin unit. I added a 1/4" thick
> > copper heat spreader and a heatsink.
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> > I have now built everything into a 300mm x 250mm x 50mm high aluminium
> > case - Thanks to DG7MGY for the idea.
> > I included one of the SMPS, the same as Helmut supplies for the
> HiQSDR -
> > I had 10 that I ordered quite a while ago from Hong Kong or China but
> > wasn't sure whether they were suitable for the HiQSDR and they were
> > being used to provide power to other stuff around the shack, USB hubs,
> > USB hard drives, etc. where the wall warts had failed, then I saw
> Helmut
> > was using them.
> >
> > I made up a PTT switch from a push-to-make push-to-break switch without
> > the knob, soldered a nut on the end to avoid having to push on a
> pointed
> > shaft and it works great. With quisk, finding the mouse pointer and
> > clicking PTT probably gave the impression I had nodded off several
> times
> > during QSO's.
> >
> > See Photos --> DG7MGY and Photos --> G3VBV.
> > 73 ... Sid.
> >
> > On 11/05/13 12:36, wa9sdj wrote:
> > >
> > > After recently discovering the joy of Quisk, further search led me
> > > here, all I can say is I'm quite sorry it took me this long to find!
> > > What a great project!
> > >
> > > I'm anxious to get started with HiQSDR and would like to pass this
> > > list of parts to the group to make sure I've got a complete setup.
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> > >
> > > I don't think the above comes with interconnect cabling?

> > >
> > > SMA cable set for preselector set
> > > Micro Match Flat Cable Connector for preselector
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> > > Anything I've forgotten? I'm also 100% Linux, any firmware loading
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> > >
> > > Many thanks
> > > Andy
> > >
> > > WA9SDJ
> > >
> > >
> >
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>
>

--
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979. Re: another CLOCK frequency

Yahoo group: n2adr-sdr
Date: 2013-05-11 21:39:48 UTC
From: rolin791
Topic: 946 Message: 979

```
In hiqsdr mode, we have in the quisk_hardware.py
.......................
self.decimations = [] # supported decimation rates
.......................
but any rates are not imported. This file may be deleted and Quisk work
normally.

>
> In sdriqpkg/quisk_hardware.py I see decimation rates defined so
> alternative numbers may have to be calculated and placed there.
> ..........................................................
> class Hardware(BaseHardware):
> decimations = [1250, 600, 500, 360]
> ..........................................................
> 73 ... Sid.
>
```

980. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 01:31:23 UTC
From: Graeme
Topic: 971 Message: 980

Hi Sid,

I've been looking at the photos of your case etc. Great job! Still chopping metal on mine but it is going well. I thought I would take the external switching signals for Linear band change etc. via a DB-15 chassis socket and the ptt and key via stereo phone jack sockets. I like to use a foot switch which avoids the hunt for the button with the mouse pointer problem.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> May be I was lucky, I ordered very early on.
>
> The DC-DC convertor is very small and I see no noise from it.
>
> I have some spurs that appear on other gear also so it must be something
> in the shack from the array of gear and cables capable of putting out
> digital noise but I have not attempted to trace the cause.
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> With the case I have there should be room to take the 100W PA/LPF and a
> suitable heatsink.
>
> The front panel looks a bit sparse and I'm thinking of adding the
> NETACTIVE and DUPLEX LED's ... looks like LED+ --> Resistor --> +3.3V,
> LED- --> NETACTIVE/, DUPLEX/.
> 73 ... Sid.
>
> On 11/05/13 19:26, Graeme wrote:
> >
> > I didn't get the flat cable for key and ptt so you need to check that
> > in case Sid was just lucky and they are not normally shipped.
> >
> > The filtering is so good on the HiQSDR power input that I do not get
> > any noise from my homebrew switching PSU even when out of its double
> > shielded box.
> >
> > I am in the process of installing the radio in a homebrew case
> > including a preselector and 20 Watt Amp. Don't stint on the case as
> > this great radio warrants a top job here.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
> > >

> > > I'll retrace my ordering steps.
> > >
> > > HiQSDR built and ready to use.
> > > I initially used my own linear P.S +13.8V --> LM338 --> +6.5V.
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> > > wasn't sure whether they were suitable for the HiQSDR and they were
> > > being used to provide power to other stuff around the shack, USB hubs,
> > > USB hard drives, etc. where the wall warts had failed, then I saw
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> > > See Photos --> DG7MGY and Photos --> G3VBV.
> > > 73 ... Sid.
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> > > On 11/05/13 12:36, wa9sdj wrote:
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981. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 02:15:46 UTC
From: Graeme
Topic: 971 Message: 981

I have added some pictures of the construction so far so you can see what I am up to. They are in the Photos under ZL2APV

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Sid,
>
> I've been looking at the photos of your case etc. Great job! Still chopping metal on mine but it is going well. I thought I would take the external switching signals for Linear band change etc. via a DB-15 chassis socket and the ptt and key via stereo phone jack sockets. I like to use a foot switch which avoids the hunt for the button with the mouse pointer problem.
>
> 73 Graeme
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> --- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@> wrote:
> >
> > May be I was lucky, I ordered very early on.
> >
> > The DC-DC convertor is very small and I see no noise from it.
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> > I have some spurs that appear on other gear also so it must be something
> > in the shack from the array of gear and cables capable of putting out
> > digital noise but I have not attempted to trace the cause.
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> > With the case I have there should be room to take the 100W PA/LPF and a
> > suitable heatsink.
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> > The front panel looks a bit sparse and I'm thinking of adding the
> > NETACTIVE and DUPLEX LED's ... looks like LED+ --> Resistor --> +3.3V,
> > LED- --> NETACTIVE/, DUPLEX/.
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> > On 11/05/13 19:26, Graeme wrote:
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> > > I didn't get the flat cable for key and ptt so you need to check that
> > > in case Sid was just lucky and they are not normally shipped.
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982. Re: [n2adr-sdr] Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 02:16:31 UTC
From: Sid Boyce
Topic: 971 Message: 982

On the front panel I have Power switch, Power LED, PTT and Key on stereo
phone sockets.

On the left side, Ethernet and a small fan to draw heat off the FPGA.

The back panel a Ground post, Antenna socket, 2 pin Power socket and a
fuse holder in the +13.8V line.
73 ... Sid.

On 12/05/13 02:31, Graeme wrote:
>
> Hi Sid,
>
> I've been looking at the photos of your case etc. Great job! Still
> chopping metal on mine but it is going well. I thought I would take
> the external switching signals for Linear band change etc. via a DB-15
> chassis socket and the ptt and key via stereo phone jack sockets. I
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983. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 07:33:47 UTC
From: Helmut Goebkes
Topic: 971 Message: 983

Hi Andy,

for a complete TX you need:

HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
HiQSDR less noise switching regulator for HiQSDR
HiQSDR MPPA (10W-Medium Power PA) finished module, completely assembled and tested
HiQSDR Preselector complete built & tested
iQSDR Preselector Filter Module Panel, Teilbestückt / Partly built

If you order all complete, all flat/power cables comes with the module at no cost.

Optional you can order:

Set of 2 SMA coax cables RG316 20cm with two right angle SMA male connectors for EUR 18.--

Heatsink 100x160mm,15mm thick black anodized, CNC drilled and tapped M2.5mm taps inkl. moujting material to Mount Preselector and 10W-PA onto it (not needed it you Mount the parts i a cCase of sufficient size, EUR 18.--

All Parts are shortly availeble from stock.
Ordering via www.technologie2000.de

Further news:

Currently the prototype of the HiQTR-10 case is ready. This case can hold all HiQSDR Parts Preselector / MPPA and additional modules and is
made of cast Aluminium, black powdered. The HiQSDR Parts are screwed on a 8mm ALU-mountingplate who serves also as heatsink.
All parts incl. Front and back Bezels are CNC drilled and decorated with a attractive self adhesive front foil to cover the Buttons and LCD. Size: 185mm x 85mm x 210mm deep

The fronbezel is precutted with holes for the new HiQGPIO.board to Support an LCD (2x16chars)/VFO Knob and several digital/analog signals to communicate.

100W-PA: (HiPPA)

Circuit works and pretests are ready, Layout is in Progress.
Circuit diagram follows the next few days.
Some Infos before:
Push-Pull Power Stage with 2x Mitsibishi RD100HHF1, Bias controlled by two 10Bit ADC, DC Input currents into the FETS measured precisely by two precisie and fast hall current sensors, digitized with 10 Bit.
Dynamic bias Adaption via Software. Input has Software controlled attenuator 1/2/4/8 dB, Input power is measured and controls attenuator
Input frequency and Signal is detected by PIC and used to Switch TX filters and used as RF-VOX. TX Filters selected automatically via internal PIC (18F67K22) Output Power / return are measured by a precise compensated Bruehne Bridge followed by 2 AD8307 LogAmps.

his directial Signals are sampled 10Bit wide every 1mS to get a real PEP Hüllkurve. Two antenna realys allows antenna selections.
Sources to antenna can be HiQSDR direct (50mW) MPPA (10W) and Output of HiPPA (100W), Outputs for controlled FAN, galvanic isolated USB to PC (optional). Key, PTT, ALC connectors on backbezel.
Controls and connections to HiQGPIO are provided to
connect Display/Frontpanel. All necessary connectors are on PCB
to mout PA directly on the Backbezel of HiQTRX-100 case for cooling.

ok, thats for short. Circuit digs an layout follows in a few days to the list.

best regards & 73!

Helmut, DB1CC

btw. to Jim, N2ADR: Thanks for the new super Quisk Version!
Works perfect! Quisk can be used effectively by a touchscreen-PC

984. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 10:57:50 UTC
From: wa9sdj
Topic: 971 Message: 984

Thanks to all for the help!

Helmut, I'll be sending you an Email to get all of this ordered, including the optional SMA set and heat sink.

I look forward to the case and 100 watt amp as well.

73 to all.
Andy

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Andy,
>
> for a complete TX you need:
>
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> Helmut, DB1CC

985. Re: [n2adr-sdr] Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 11:29:43 UTC
From: Sid Boyce
Topic: 971 Message: 985

Nice work Graeme and good descriptions.
What's the case dimensions?

I thought about a ferrite choke but the Lighning Bolt Quad has a 1:1
balun at the feedpoint where all the band elements are joined together.

I am also concerned about how hot the FPGA gets. The original box just
for the HiQSDR had the fan placed above the FPGA that kept it cool.

In the large case I placed the fan adjacent to the FPGA and I need to
order some heatsink glue from RS Components so I can stick on a heatsink
recovered from an old motherboard chipset.

The 3/8" thick heat spreader between the MPPA and heatsink -- I don't
like heat when it comes to electronics.
I am also looking to heat sink the DC-DC convertor chip and find space
for another small case fan I pulled from an old Sky TV box - one push
and one pull.
Fans are 12V run from 6.5V to keep the noise down.

Having fun and getting good reports even from as far away as ZL with the
MPPA, no competition for the big guns when a pileup is in full swing.
73 ... Sid.

On 12/05/13 03:15, Graeme wrote:
>
> I have added some pictures of the construction so far so you can see
> what I am up to. They are in the Photos under ZL2APV
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> > > > > The flat ribbon cable for PTT and Key comes with the HiQSDR.

> > > > >
> > > > > Next was the Preselector, partially built so I had to wind the
> toroids
> > > > > supplied as the capacitors were already soldered on to the BPF
> boards.
> > > > > The different wire sizes I ordered separately from Conrad
> Electronics
> > > > > but should be available from Digikey and other sources.
> > > > >
> > > > > The flat ribbon cable between the HiQSDR and Preselector is
> supplied
> > > > > with the Preselector.
> > > > > SMA cables I made up.
> > > > >
> > > > > The 10W MPPA ready built is a direct plugin unit. I added a
> 1/4" thick
> > > > > copper heat spreader and a heatsink.
> > > > >
> > > > > I have now built everything into a 300mm x 250mm x 50mm high
> aluminium
> > > > > case - Thanks to DG7MGY for the idea.
> > > > > I included one of the SMPS, the same as Helmut supplies for the
> > > > HiQSDR -
> > > > > I had 10 that I ordered quite a while ago from Hong Kong or
> China but
> > > > > wasn't sure whether they were suitable for the HiQSDR and they
> were
> > > > > being used to provide power to other stuff around the shack,
> USB hubs,
> > > > > USB hard drives, etc. where the wall warts had failed, then I saw
> > > > Helmut
> > > > > was using them.
> > > > >
> > > > > I made up a PTT switch from a push-to-make push-to-break
> switch without
> > > > > the knob, soldered a nut on the end to avoid having to push on a
> > > > pointed
> > > > > shaft and it works great. With quisk, finding the mouse
> pointer and
> > > > > clicking PTT probably gave the impression I had nodded off
> several
> > > > times
> > > > > during QSO's.
> > > > >
> > > > > See Photos --> DG7MGY and Photos --> G3VBV.
> > > > > 73 ... Sid.
> > > > >
> > > > > On 11/05/13 12:36, wa9sdj wrote:
> > > > >
> > > > > > After recently discovering the joy of Quisk, further search

> led me
> > > > > > here, all I can say is I'm quite sorry it took me this long
> to find!
> > > > > > What a great project!
> > > > > >
> > > > > > I'm anxious to get started with HiQSDR and would like to
> pass this
> > > > > > list of parts to the group to make sure I've got a complete
> setup.
> > > > > >
> > > > > > I believe all parts are available from
> http://www.technologie2000.de/?
> > > > > >
> > > > > > Here is what I have gathered so far:
> > > > > >
> > > > > > HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
> > > > > > HiQSDR less noise switching regulator for HiQSDR
> > > > > > HiQSDR MPPA (10W-Medium Power PA) finished module, completely
> > > > > > assembled and tested
> > > > > > HiQSDR Preselector complete built & tested
> > > > > > iQSDR Preselector Filter Module Panel, Teilbest?ckt / Partly
> built
> > > > > >
> > > > > > I don't think the above comes with interconnect cabling?
> > > > > >
> > > > > > SMA cable set for preselector set
> > > > > > Micro Match Flat Cable Connector for preselector
> > > > > >
> > > > > > Anything I've forgotten? I'm also 100% Linux, any firmware
> loading
> > > > > > issues etc to note?
> > > > > >
> > > > > > Many thanks
> > > > > > Andy
> > > > > >
> > > > > > WA9SDJ
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > >

> >
>
>

--
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986. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-12 14:02:17 UTC
From: rune
Topic: 971 Message: 986

Hi Helmut/ Andy

I understand you soon release the custom build Box/Cabinet for the
HIQSDR and preselector. Will there be space for the 100 watt PA ?.
When will the cabinet be ready for "my" paypal account :-)
You mentioned las summer somehing about
DSP No need for PC, is that still in you plans ?.

73 Rune LA7THA

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Andy,
>
> for a complete TX you need:
>
> HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
> HiQSDR less noise switching regulator for HiQSDR
> HiQSDR MPPA (10W-Medium Power PA) finished module, completely assembled and tested
> HiQSDR Preselector complete built & tested
> iQSDR Preselector Filter Module Panel, Teilbestückt / Partly built
>
> If you order all complete, all flat/power cables comes with the module at no cost.
>
> Optional you can order:
>
> Set of 2 SMA coax cables RG316 20cm with two right angle SMA male connectors for EUR
18.--
>
> Heatsink 100x160mm,15mm thick black anodized, CNC drilled and tapped M2.5mm taps inkl.
moujting material to Mount Preselector and 10W-PA onto it (not needed it you Mount the
parts i a cCase of sufficient size, EUR 18.--
>
> All Parts are shortly availeble from stock.
> Ordering via www.technologie2000.de
>
> Further news:
>
> Currently the prototype of the HiQTR-10 case is ready. This case can hold all HiQSDR
Parts Preselector / MPPA and additional modules and is
> made of cast Aluminium, black powdered. The HiQSDR Parts are screwed on a 8mm
ALU-mountingplate who serves also as heatsink.
> All parts incl. Front and back Bezels are CNC drilled and decorated with a attractive
self adhesive front foil to cover the Buttons and LCD. Size: 185mm x 85mm x 210mm deep
>
> The fronbezel is precutted with holes for the new HiQGPIO.board to Support an LCD

(2x16chars)/VFO Knob and several digital/analog signals to communicate.
>
> 100W-PA: (HiPPA)
>
> Circuit works and pretests are ready, Layout is in Progress.
> Circuit diagram follows the next few days.
> Some Infos before:
> Push-Pull Power Stage with 2x Mitsibishi RD100HHF1, Bias controlled by two 10Bit ADC, DC Input currents into the FETS measured precisely by two precisie and fast hall current sensors, digitized with 10 Bit.
> Dynamic bias Adaption via Software. Input has Software controlled attenuator 1/2/4/8 dB, Input power is measured and controls attenuator
> Input frequency and Signal is detected by PIC and used to Switch TX filters and used as RF-VOX. TX Filters selected automatically via internal PIC (18F67K22) Output Power / return are measured by a precise compensated Bruehne Bridge followed by 2 AD8307 LogAmps.
> his directial Signals are sampled 10Bit wide every 1mS to get a real PEP Hüllkurve. Two antenna realys allows antenna selections.
> Sources to antenna can be HiQSDR direct (50mW) MPPA (10W) and Output of HiPPA (100W), Outputs for controlled FAN, galvanic isolated USB to PC (optional). Key, PTT, ALC connectors on backbezel.
> Controls and connections to HiQGPIO are provided to
> connect Display/Frontpanel. All necessary connectors are on PCB
> to mout PA directly on the Backbezel of HiQTRX-100 case for cooling.
>
> ok, thats for short. Circuit digs an layout follows in a few days to the list.
>
>
> best regards & 73!
>
> Helmut, DB1CC
>
> btw. to Jim, N2ADR: Thanks for the new super Quisk Version!
> Works perfect! Quisk can be used effectively by a touchscreen-PC
>

987. Housing the HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-05-12 19:00:07 UTC
From: Graeme
Topic: 987 Message: 987

Hi Sid and all,

I was starting to drift away from the discussion on what to buy and consider when buying HiQSDR boards and accessories so decided to start another thread on case constructing and interconnecting so I did not become a hijacker :-)

Your comments from other thread Sid are copied here for continuity.

Common mode chokes at the shack end are useful and often give noticeable noise reduction. There are some really good articles on the internet and w8jk has some good stuff. I also have them on telephone and ethernet cables. Type 43 mix in ferrite tubes work well for me.

The pin grid heatsink on my fpga is stuck on with double sided adhesive thermally conductive silicon rubber. It works well and I have used the same technique with the DC DC psu by soldering a copper tab to the IC and earth plane and the silicon rubber sheet prevents electrolysis between the copper tab and aluminium case.

I have built the case from 3mm Aluminium with heat sinks on most things where applicable and want to keep it fanless.

I am looking forward to being completed and would like to arrange a qso with you when done so we can have a maximum distance qso as we are at each others antipodes.

Not at my shack at present so will send case dimensions later.

73, Graeme ZL2APV

Nice work Graeme and good descriptions.
What's the case dimensions?

I thought about a ferrite choke but the Lighning Bolt Quad has a 1:1 balun at the feedpoint where all the band elements are joined together.

I am also concerned about how hot the FPGA gets. The original box just for the HiQSDR had the fan placed above the FPGA that kept it cool.

In the large case I placed the fan adjacent to the FPGA and I need to order some heatsink glue from RS Components so I can stick on a heatsink recovered from an old motherboard chipset.

The 3/8" thick heat spreader between the MPPA and heatsink -- I don't like heat when it comes to electronics.
I am also looking to heat sink the DC-DC convertor chip and find space for another small case fan I pulled from an old Sky TV box - one push and one pull.
Fans are 12V run from 6.5V to keep the noise down.

Having fun and getting good reports even from as far away as ZL with the MPPA, no competition for the big guns when a pileup is in full swing.

73 ... Sid.

988. Re: [n2adr-sdr] Housing the HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-05-12 21:10:38 UTC
From: Sid Boyce
Topic: 987 Message: 988

Thanks Graeme,
I'll need some rings that are large enough to fit over the PL259 and the RG213 coax.

I ordered a couple of 30mm x 30mm adhesive pads off EBay earlier, RS Components were talking serious dosh for 100mm x 100mm sheets and even smaller ones.

On the DC-DC PS looks like the copper strip is soldered to the IC tab and the adhesive pad is between that and the case with the copper strip secured by 2 bolts ... OK?

Sure, it would be fun to have a HiQSDR to HiQSDR QSO, better still a DX QSO.
73 ... Sid.

On 12/05/13 20:00, Graeme wrote:
>
> Hi Sid and all,
>
> I was starting to drift away from the discussion on what to buy and
> consider when buying HiQSDR boards and accessories so decided to start
> another thread on case constructing and interconnecting so I did not
> become a hijacker :-)
>
> Your comments from other thread Sid are copied here for continuity.
>
> Common mode chokes at the shack end are useful and often give
> noticeable noise reduction. There are some really good articles on the
> internet and w8jk has some good stuff. I also have them on telephone
> and ethernet cables. Type 43 mix in ferrite tubes work well for me.
>
> The pin grid heatsink on my fpga is stuck on with double sided
> adhesive thermally conductive silicon rubber. It works well and I have
> used the same technique with the DC DC psu by soldering a copper tab
> to the IC and earth plane and the silicon rubber sheet prevents
> electrolysis between the copper tab and aluminium case.
>
> I have built the case from 3mm Aluminium with heat sinks on most
> things where applicable and want to keep it fanless.
>
> I am looking forward to being completed and would like to arrange a
> qso with you when done so we can have a maximum distance qso as we are
> at each others antipodes.
>
> Not at my shack at present so will send case dimensions later.
>

> 73, Graeme ZL2APV
>
> Nice work Graeme and good descriptions.
> What's the case dimensions?
>
> I thought about a ferrite choke but the Lighning Bolt Quad has a 1:1
> balun at the feedpoint where all the band elements are joined together.
>
> I am also concerned about how hot the FPGA gets. The original box just
> for the HiQSDR had the fan placed above the FPGA that kept it cool.
>
> In the large case I placed the fan adjacent to the FPGA and I need to
> order some heatsink glue from RS Components so I can stick on a
> heatsink recovered from an old motherboard chipset.
>
> The 3/8" thick heat spreader between the MPPA and heatsink -- I don't
> like heat when it comes to electronics.
> I am also looking to heat sink the DC-DC convertor chip and find space
> for another small case fan I pulled from an old Sky TV box - one push
> and one pull.
> Fans are 12V run from 6.5V to keep the noise down.
>
> Having fun and getting good reports even from as far away as ZL with
> the MPPA, no competition for the big guns when a pileup is in full swing.
> 73 ... Sid.
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

989. Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-12 21:44:51 UTC
From: Helmut Goebkes
Topic: 989 Message: 989

Hi Group,

as described yesterday i loaded some photos as first Impression of the new HiQTRX-10 transceiver case on he Photo board.
You will find the pics in the DB1CC_HIQTRX board.
This is a zero fan contruction, even under full time 10W operation!
Powerd by 13.8V, current consumption 0.75A during RX and 2.7A during 10W TXing.

More information and mechanical details following soon!

73!
Helmut, DB1CC

991. HiiQSDR / HiQTRX information

Yahoo group: n2adr-sdr
Date: 2013-05-12 22:28:25 UTC
From: Helmut Goebkes
Topic: 991 Message: 991

Hi Rune
nice to here from you after a while!

There are two cases available in the future, one for a
10W-QRP-Trabsceiver (called HiQTRX-10)
wich is shown in the photos i currently uploaded into
the DB1CC_HiQTX Photo board and a bigger one for the HiQTRX-100.
The bigger one with the 100W-PA is ready, but i am working still
on the 100W-PA. It takes a long time to make a good and reliable
100W-PA with all additional parts/filters/measurement parts a.s.o
and the software to protect the PA during all operating circumstances.

Also under development is firmware add-on for the FPGA to communicate with the PA/front bezel (HiQGPIO) so that HiQSDR can react on
front panel / PA or safety events.
Currently the 100W-PA Layout is in revision 2 (4-Layer Multilayer)
and fits directly onto tha back bezel of the larger HiQTRX-100 case and its heat spreader.

Sure the work was estimated to be done some month before, but unfortunately i had a couple of month in a hospital and there the
resources, time and effort for developments
are only sparingly available (grin).
But now all is ok again so i can start over :-)

The HiQTRX-10 case will be available very shortly (couple of weeks) and the 100W-PA / HiQTRX-100 case is estimated late summer.

Stefan (DL2STG) is currently developing an very fine solution for a PC less HiQTRX station, currently we are work together in developing the necessary hard/software.
More information coming soon!

best regards

Helmut, DB1CC

992. Re: [n2adr-sdr] Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-12 22:34:18 UTC
From: Sid Boyce
Topic: 989 Message: 992

Very sturdy and professional Helmut.
73 ... Sid.

On 12/05/13 22:44, Helmut Goebkes wrote:
>
> Hi Group,
>
> as described yesterday i loaded some photos as first Impression of the
> new HiQTRX-10 transceiver case on he Photo board.
> You will find the pics in the DB1CC_HIQTRX board.
> This is a zero fan contruction, even under full time 10W operation!
> Powerd by 13.8V, current consumption 0.75A during RX and 2.7A during
> 10W TXing.
>
> More information and mechanical details following soon!
>
> 73!
> Helmut, DB1CC
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

993. Re: Housing the HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-05-13 00:39:49 UTC
From: Graeme
Topic: 987 Message: 993

I took the plug off the coax to slip the rings on and crimped another on when done. Cost me a connector but the noise reduction was worth it.

I made a mistake with my reference to w8jk which is of course related to an antenna design. The call I should have used is W8JI and his site is a mine of sensible information. Common mode stuff here.
http://www.w8ji.com/verticals_and_baluns.htm

It was NZ$15 (about 6 pounds) for a 2 sheet pack of 100 x 100 thermal si rubber with adhesive both sides.

I have added a couple of photos to my ZL2APV folder to show some common mode chokes I use. The first is a series of tubes with a total impedance of approx 700 ohms at 3.5 mHz. Need more tubes if on 160 M as ideally a Z of 1 K ohms should be aimed for. The second shows a pair of chokes with 2 1/2 and 3 turns respectively wound with RG-316 and good for 100 W even with a fairly high swr. The ferrite sleeves diam 16 len 29, are NZ$7.90 for a pack of 6. The ones to slip over RG-58 are $NZ6.90 for a pack of 6.

You have the method for securing the copper heat sink to the aluminium pad 100%. I made the copper sink from a small length of 1/2" copper pipe split lengthwise and flattened out.

I look forward to our first HiQSDR to HiQSDR QSO but more construction needed at my end.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Thanks Graeme,
> I'll need some rings that are large enough to fit over the PL259 and the
> RG213 coax.
>
> I ordered a couple of 30mm x 30mm adhesive pads off EBay earlier, RS
> Components were talking serious dosh for 100mm x 100mm sheets and even
> smaller ones.
>
> On the DC-DC PS looks like the copper strip is soldered to the IC tab
> and the adhesive pad is between that and the case with the copper strip
> secured by 2 bolts ... OK?
>
> Sure, it would be fun to have a HiQSDR to HiQSDR QSO, better still a DX QSO.
> 73 ... Sid.
>
> On 12/05/13 20:00, Graeme wrote:
> >
> > Hi Sid and all,
> >
> > I was starting to drift away from the discussion on what to buy and

> > consider when buying HiQSDR boards and accessories so decided to start
> > another thread on case constructing and interconnecting so I did not
> > become a hijacker :-)
> >
> > Your comments from other thread Sid are copied here for continuity.
> >
> > Common mode chokes at the shack end are useful and often give
> > noticeable noise reduction. There are some really good articles on the
> > internet and w8jk has some good stuff. I also have them on telephone
> > and ethernet cables. Type 43 mix in ferrite tubes work well for me.
> >
> > The pin grid heatsink on my fpga is stuck on with double sided
> > adhesive thermally conductive silicon rubber. It works well and I have
> > used the same technique with the DC DC psu by soldering a copper tab
> > to the IC and earth plane and the silicon rubber sheet prevents
> > electrolysis between the copper tab and aluminium case.
> >
> > I have built the case from 3mm Aluminium with heat sinks on most
> > things where applicable and want to keep it fanless.
> >
> > I am looking forward to being completed and would like to arrange a
> > qso with you when done so we can have a maximum distance qso as we are
> > at each others antipodes.
> >
> > Not at my shack at present so will send case dimensions later.
> >
> > 73, Graeme ZL2APV
> >
> > Nice work Graeme and good descriptions.
> > What's the case dimensions?
> >
> > I thought about a ferrite choke but the Lighning Bolt Quad has a 1:1
> > balun at the feedpoint where all the band elements are joined together.
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> > I am also concerned about how hot the FPGA gets. The original box just
> > for the HiQSDR had the fan placed above the FPGA that kept it cool.
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> > In the large case I placed the fan adjacent to the FPGA and I need to
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> > heatsink recovered from an old motherboard chipset.
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> > The 3/8" thick heat spreader between the MPPA and heatsink -- I don't
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> > for another small case fan I pulled from an old Sky TV box - one push
> > and one pull.
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> > Having fun and getting good reports even from as far away as ZL with
> > the MPPA, no competition for the big guns when a pileup is in full swing.

> > 73 ... Sid.
> >
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

994. Re: Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-13 01:04:39 UTC
From: Graeme
Topic: 989 Message: 994

Hi Helmut,

That is a case to be proud of and gives excellent access to all the components with all the heatsinking you could wish for. I am building my own case so I can save my pfennig for the linear when you are finished. I may have to push my project so I can be ready for your release.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Group,
>
> as described yesterday i loaded some photos as first Impression of the new HiQTRX-10 transceiver case on he Photo board.
> You will find the pics in the DB1CC_HIQTRX board.
> This is a zero fan contruction, even under full time 10W operation!
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>
> More information and mechanical details following soon!
>
> 73!
> Helmut, DB1CC
>

995. Re: [n2adr-sdr] Re: Housing the HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-05-13 10:42:37 UTC
From: Sid Boyce
Topic: 987 Message: 995

Thanks Graeme,
I was thinking of a number of toroids to make a sleeve balun.

I'll have a good read though the balun at the feed point should make sure there are no common mode currents on the RG213.

Looking forward to that QSO.

In the early hours of this morning there were a group of VK's working Stateside and each other on 15m, most between 52 and 54 then there was one who spoke only briefly and occasionally as he said he was doing some work on the computer.
He didn't say his callsign but I bet it was Ian, VK3MO with that big 59+ signal as usual and seemingly at any time of the day or night.
73 ... Sid.

On 13/05/13 01:39, Graeme wrote:
>
> I took the plug off the coax to slip the rings on and crimped another
> on when done. Cost me a connector but the noise reduction was worth it.
>
> I made a mistake with my reference to w8jk which is of course related
> to an antenna design. The call I should have used is W8JI and his site
> is a mine of sensible information. Common mode stuff here.
> http://www.w8ji.com/verticals_and_baluns.htm
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> It was NZ$15 (about 6 pounds) for a 2 sheet pack of 100 x 100 thermal
> si rubber with adhesive both sides.
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> I have added a couple of photos to my ZL2APV folder to show some
> common mode chokes I use. The first is a series of tubes with a total
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> as ideally a Z of 1 K ohms should be aimed for. The second shows a
> pair of chokes with 2 1/2 and 3 turns respectively wound with RG-316
> and good for 100 W even with a fairly high swr. The ferrite sleeves
> diam 16 len 29, are NZ$7.90 for a pack of 6. The ones to slip over
> RG-58 are $NZ6.90 for a pack of 6.
>
> You have the method for securing the copper heat sink to the aluminium
> pad 100%. I made the copper sink from a small length of 1/2" copper
> pipe split lengthwise and flattened out.
>
> I look forward to our first HiQSDR to HiQSDR QSO but more construction
> needed at my end.
>
> 73 Graeme ZL2APV

>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > Thanks Graeme,
> > I'll need some rings that are large enough to fit over the PL259 and
> the
> > RG213 coax.
> >
> > I ordered a couple of 30mm x 30mm adhesive pads off EBay earlier, RS
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> > On the DC-DC PS looks like the copper strip is soldered to the IC tab
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> > Sure, it would be fun to have a HiQSDR to HiQSDR QSO, better still a
> DX QSO.
> > 73 ... Sid.
> >
> > On 12/05/13 20:00, Graeme wrote:
> > >
> > > Hi Sid and all,
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> > > Your comments from other thread Sid are copied here for continuity.
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> > > internet and w8jk has some good stuff. I also have them on telephone
> > > and ethernet cables. Type 43 mix in ferrite tubes work well for me.
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> > > to the IC and earth plane and the silicon rubber sheet prevents
> > > electrolysis between the copper tab and aluminium case.
> > >
> > > I have built the case from 3mm Aluminium with heat sinks on most
> > > things where applicable and want to keep it fanless.
> > >
> > > I am looking forward to being completed and would like to arrange a

> > > qso with you when done so we can have a maximum distance qso as we
> are
> > > at each others antipodes.
> > >
> > > Not at my shack at present so will send case dimensions later.
> > >
> > > 73, Graeme ZL2APV
> > >
> > > Nice work Graeme and good descriptions.
> > > What's the case dimensions?
> > >
> > > I thought about a ferrite choke but the Lighning Bolt Quad has a 1:1
> > > balun at the feedpoint where all the band elements are joined
> together.
> > >
> > > I am also concerned about how hot the FPGA gets. The original box
> just
> > > for the HiQSDR had the fan placed above the FPGA that kept it cool.
> > >
> > > In the large case I placed the fan adjacent to the FPGA and I need to
> > > order some heatsink glue from RS Components so I can stick on a
> > > heatsink recovered from an old motherboard chipset.
> > >
> > > The 3/8" thick heat spreader between the MPPA and heatsink -- I don't
> > > like heat when it comes to electronics.
> > > I am also looking to heat sink the DC-DC convertor chip and find
> space
> > > for another small case fan I pulled from an old Sky TV box - one push
> > > and one pull.
> > > Fans are 12V run from 6.5V to keep the noise down.
> > >
> > > Having fun and getting good reports even from as far away as ZL with
> > > the MPPA, no competition for the big guns when a pileup is in full
> swing.
> > > 73 ... Sid.
> > >
> > >
> >
> >
> > --
> >
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

996. Re: [n2adr-sdr] Re: Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-13 10:46:32 UTC
From: Sid Boyce
Topic: 989 Message: 996

First stop for me is the 100W PA/LPF then I'll see about the larger case.

Quality and detail from end to end.
73 ... Sid.

On 13/05/13 02:04, Graeme wrote:
>
> Hi Helmut,
>
> That is a case to be proud of and gives excellent access to all the
> components with all the heatsinking you could wish for. I am building
> my own case so I can save my pfennig for the linear when you are
> finished. I may have to push my project so I can be ready for your
> release.
>
> 73, Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Helmut Goebkes" <hgoebkes@...> wrote:
> >
> > Hi Group,
> >
> > as described yesterday i loaded some photos as first Impression of
> the new HiQTRX-10 transceiver case on he Photo board.
> > You will find the pics in the DB1CC_HIQTRX board.
> > This is a zero fan contruction, even under full time 10W operation!
> > Powerd by 13.8V, current consumption 0.75A during RX and 2.7A during
> 10W TXing.
> >
> > More information and mechanical details following soon!
> >
> > 73!
> > Helmut, DB1CC
> >
>
>

--
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997. Re: [n2adr-sdr] Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-13 11:41:08 UTC
From: Sid Boyce
Topic: 989 Message: 997

Hi Helmut,
In the photos I see you have done something I have been thinking about, filtering the output of the DC-DC convertor with windings on the toroid for both the + and - and a number of bypass capacitors before and after the windings.

Was that done as a precaution or because of measured noise?

Yesterday I was watching a Ti video dealing with power supply noise injected into systems. It made me think more about SMPS filtering.
73 ... Sid.

On 12/05/13 22:44, Helmut Goebkes wrote:
>
> Hi Group,
>
> as described yesterday i loaded some photos as first Impression of the
> new HiQTRX-10 transceiver case on he Photo board.
> You will find the pics in the DB1CC_HIQTRX board.
> This is a zero fan contruction, even under full time 10W operation!
> Powerd by 13.8V, current consumption 0.75A during RX and 2.7A during
> 10W TXing.
>
> More information and mechanical details following soon!
>
> 73!
> Helmut, DB1CC
>
>

--
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999. Input Filter on HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-13 14:46:42 UTC
From: Helmut Goebkes
Topic: 999 Message: 999

Hi Sid,

The (big) toroid and the filter caps you see on the small
proto board serves to hold any external rf away from the
internal circuits and is connected directly to the DC Input
of the HiQTRX-10. There is no filtering necessary between
the DC converter and HiQSDR as long as it is not located
physically near the RF parts of Preselector or HiQSDR.
I have no disturbances in the spectrum even operated with the
small cheap DC converter. Of course, i soldered two ceramic caps
(100n/10n) at the Input and Output (the modules provides solderpads for them!) The
switching module is a low frequency one (250KHz)
and operated in the middle of the operating range (7V/1A @ output)

If i operate the HiQTRX as driver for my Expert-1K PA i got with
about 8 Watts input @ the Expert-1K about 600 Watts PEP.
That is a lot of RF and produce strong fields so the chance for
a stray induction of rf into the DC leads are possible so
filtering the DC input is mandatory.
(even correct grounding the case....)

73!
Helmut

1000. Re: [n2adr-sdr] Re: Case for HiQTRX-10

Yahoo group: n2adr-sdr
Date: 2013-05-13 15:20:03 UTC
From: Sid Boyce
Topic: 989 Message: 1000

Thanks Helmut,
Understood, by it's position it looked on the picture as though it was for the DC-DC convertor.

I have an external toroid with a few turns in the +13.8V line.
73 ... Sid.

On 13/05/13 15:36, Helmut Goebkes wrote:
>
>
> Hi Sid,
>
> The (big) toroid and the filter caps you see on the small
> proto board serves to hold any external rf away from all
> internal circuits and is connected directly to the DC Input
> of the HiQTRX-10. There is no filtering necessary between
> the DC converter and HiQSDR, as long as iit is not located
> physically near the RF part of Preselector or HiQSDR.
> I have no disturbance in the spectrum even operated with the
> small cheap DC converter. Of course, i soldered two keramic caps
> (100n/10n) at the Input and Output (the modules provides solderpads
> for them!) but theay are just for safety - even without i have no
> Problems. The switching module is a low frequency one (250KHz)
>
> I operate the HiQTRX as Driver for my Expert-1K PA and with
> about 8 Watts Input the Expert-1K delivers about 600 Watts PEP.
> That is a lot of RF and produces strong fields so the Chance for
> stry induction of rf into the DC leads si filtering is mandatory.
>
> 73!
> Helmut
>
>

--
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1001. Re: HiiQSDR / HiQTRX information

Yahoo group: n2adr-sdr
Date: 2013-05-13 19:59:57 UTC
From: rune
Topic: 991 Message: 1001

Hi Helmut

Thanks for all this info, i just checked your pictures and this looks realy proffesional. I understand that there is a qrp and 100 watt housing. I will stand bye for the 100 watt version. Also the 100 watt PA and PC les option is interesting. Will the PC less version also work using the Computer in combo?. Thansk again for this news.

73 Rune LA7THA

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Rune
> nice to here from you after a while!
>
> There are two cases available in the future, one for a
> 10W-QRP-Trabsceiver (called HiQTRX-10)
> wich is shown in the photos i currently uploaded into
> the DB1CC_HiQTX Photo board and a bigger one for the HiQTRX-100.
> The bigger one with the 100W-PA is ready, but i am working still
> on the 100W-PA. It takes a long time to make a good and reliable
> 100W-PA with all additional parts/filters/measurement parts a.s.o
> and the software to protect the PA during all operating circumstances.
>
> Also under development is firmware add-on for the FPGA to communicate with the PA/front bezel (HiQGPIO) so that HiQSDR can react on
> front panel / PA or safety events.
> Currently the 100W-PA Layout is in revision 2 (4-Layer Multilayer)
> and fits directly onto tha back bezel of the larger HiQTRX-100 case and its heat spreader.
>
> Sure the work was estimated to be done some month before, but unfortunately i had a couple of month in a hospital and there the
> resources, time and effort for developments
> are only sparingly available (grin).
> But now all is ok again so i can start over :-)
>
> The HiQTRX-10 case will be available very shortly (couple of weeks) and the 100W-PA / HiQTRX-100 case is estimated late summer.
>
> Stefan (DL2STG) is currently developing an very fine solution for a PC less HiQTRX station, currently we are work together in developing the necessary hard/software.
> More information coming soon!
>
>
> best regards
>

> Helmut, DB1CC
>

1002. HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-17 22:06:18 UTC
From: Graeme
Topic: 1002 Message: 1002

Is there any info on the trx controls for HiQSDR? In particular what is the function of the RX ACTIVE, CCTX, CCRX and the signal being fed back into pin 9 of X1.

Are there any facilities for tx delay on cw so the tx changeover relay stays in between inter-letter pauses or do I need to pulse stretch the tx_on signal?

I am sure there is documentation on this but not sure where to look. I want to drive my old softrock linear for a little ZL fun contest on 80M QRP tonight.

73, Graeme ZL2APV

1003. qsdr still loses audio

Yahoo group: n2adr-sdr
Date: 2013-05-19 01:19:02 UTC
From: Sid Boyce
Topic: 897 Message: 1003

```
qsdr runs OK until the lost packets and at that point sound stops,
spectrum and waterfall are still running.
I have increased the AudioBufferSize to 6000 with no change.

starting server
Using Volk machine: avx_64_mmx_orc
>>> gr_fir_fff: using SSE
connection from "127.0.0.1"
TCP: conneced
>>> gr_fir_ccc: using SSE
>>> gr_fir_ccf: using SSE
>>> gr_fir_fcc: gr_fir_fcc: using SSE
set filter tabs 0 dest: 0
set filter tabs 0 dest: 1
71: lost packets 32
107: lost packets 1
freqCorr 0
connect
server restarted
set filter tabs 905 dest: 0
tabs 912, sum re 1.000000 sum im 0.000000
freqCorr 0
72: lost packets 1
143: lost packets 1
73 ... Sid.

--
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```

1004. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-19 12:47:05 UTC
From: wa9sdj
Topic: 971 Message: 1004

Helmut,

You are probably very busy, if so please disregard what I'm about to say, but just in-case my Email got gobbled up by a spam filter! I sent an order request 7 days ago, haven't gotten a response. Email was sent to:

sales@...

If you didn't receive it please Email me at dr.diesel@...

Many thanks and 73

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Andy,
>
> for a complete TX you need:
>
> HiQSDR DDC/DUC-SDR Module, Built, ready-to-use
> HiQSDR less noise switching regulator for HiQSDR
> HiQSDR MPPA (10W-Medium Power PA) finished module, completely assembled and tested
> HiQSDR Preselector complete built & tested
> iQSDR Preselector Filter Module Panel, Teilbestückt / Partly built
>
> If you order all complete, all flat/power cables comes with the module at no cost.
>
> Optional you can order:
>
> Set of 2 SMA coax cables RG316 20cm with two right angle SMA male connectors for EUR 18.--
>
> Heatsink 100x160mm,15mm thick black anodized, CNC drilled and tapped M2.5mm taps inkl. moujting material to Mount Preselector and 10W-PA onto it (not needed it you Mount the parts i a cCase of sufficient size, EUR 18.--
>
> All Parts are shortly availeble from stock.
> Ordering via www.technologie2000.de
>

1005. Re: [n2adr-sdr] Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-19 15:54:14 UTC
From: <hgoebkes@...>
Topic: 971 Message: 1005

Hi Andy,

i got no mail to sales@..., maybe its lost in a spam filter.
I sent the offer to your email dr.diesel@..., hope it works now!

Sorry group for that "spam" hope you can forgive me..

Helmut, DB1CC

1006. Re: Ordering help please

Yahoo group: n2adr-sdr
Date: 2013-05-19 21:19:25 UTC
From: wa9sdj
Topic: 971 Message: 1006

Thank you my friend, paypal money sent for complete order.

73, Andy

--- In n2adr-sdr@yahoogroups.com, <hgoebkes@...> wrote:
>
> Hi Andy,
>
> i got no mail to sales@..., maybe its lost in a spam filter.
> I sent the offer to your email dr.diesel@..., hope it works now!
>
> Sorry group for that "spam" hope you can forgive me..
>
> Helmut, DB1CC
>

1007. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-19 21:55:16 UTC
From: Graeme
Topic: 1002 Message: 1007

Sorry to reply to my own post but I am sure someone must know what the signals are and if they are inputs or outputs and their function. I can get a very good idea from looking at how they are connected to the preselector board but not the full specifications.

For example the ANT_SELECT signal (pin 6 of X1 or pin 57 of FPGA) does it operate before the TX RF is generated to allow the changeover relay to operate and avoid a brief no load spike?

The CCTX signal (pin 7 of X1 or pin 56 of FPGA) what is its function? I see it has a pullup resistor so probably is open collector and also is "anded" with ANT_SELECT on the preselector but do not know why.

The CCRX signal (pin 8 of X1 or pin 55 of FPGA) seems to be an input but again what is its function?

I need this information so I can design my RX/TX changeover system and if any of the delays and sequencing are already built into the HiQSDR I do not want to duplicate this in hardware.

I would be grateful if someone can help me here. Surely someone knows the answers to this. I did my little fun contest over the weekend and as it was QRP I used the ANT_SELECT signal for my antenna changeover relay and did not worry about switching spikes if the RF was there before the relay changed over, but for 100 watts it is a different story.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Is there any info on the trx controls for HiQSDR? In particular what is the function of the RX_ACTIVE, CCTX, CCRX and the signal being fed back into pin 9 of X1.
>
> Are there any facilities for tx delay on cw so the tx changeover relay stays in between inter-letter pauses or do I need to pulse stretch the tx_on signal?
>
> I am sure there is documentation on this but not sure where to look. I want to drive my old softrock linear for a little ZL fun contest on 80M QRP tonight.
>
> 73, Graeme ZL2APV
>

1008. Re: [n2adr-sdr] Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-20 01:24:59 UTC
From: Sid Boyce
Topic: 1002 Message: 1008

The pullup resistor R51 was intended to pull pin 7 to a High with the
FPGA pin feeding it floating (Unused).
On Both Mario's and on my Preselector, Pin 7 was presenting a Low which
made FDX permanently come on and prevented switch to TX.

Mario cut the track at RN1 but I cut wire to Pin 7 (CCTX) in the ribbon
cable, both actions allowed switching into TX.

With the new FPGA 1.4 firmware the FPGA pin 56 was programmed High,
allowing the cable to be reconnected and TX switching to work.

In G3VBV --> Files folder, HiQSDR_PTT.* was how I first used a level
shifter (for N1 read X1) to drive a PTT relay.
After a while it was slow in releasing (~30 seconds) then it stopped
working altogether and the HiQSDR was sent to Helmut to replace RN1
(Some mishap here no doubt).
73 ... Sid.

On 19/05/13 22:55, Graeme wrote:
>
> Sorry to reply to my own post but I am sure someone must know what the
> signals are and if they are inputs or outputs and their function. I
> can get a very good idea from looking at how they are connected to the
> preselector board but not the full specifications.
>
> For example the ANT_SELECT signal (pin 6 of X1 or pin 57 of FPGA) does
> it operate before the TX RF is generated to allow the changeover relay
> to operate and avoid a brief no load spike?
>
> The CCTX signal (pin 7 of X1 or pin 56 of FPGA) what is its function?
> I see it has a pullup resistor so probably is open collector and also
> is "anded" with ANT_SELECT on the preselector but do not know why.
>
> The CCRX signal (pin 8 of X1 or pin 55 of FPGA) seems to be an input
> but again what is its function?
>
> I need this information so I can design my RX/TX changeover system and
> if any of the delays and sequencing are already built into the HiQSDR
> I do not want to duplicate this in hardware.
>
> I would be grateful if someone can help me here. Surely someone knows
> the answers to this. I did my little fun contest over the weekend and
> as it was QRP I used the ANT_SELECT signal for my antenna changeover
> relay and did not worry about switching spikes if the RF was there
> before the relay changed over, but for 100 watts it is a different story.
>

> 73, Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Graeme" <gvjury@...> wrote:
> >
> > Is there any info on the trx controls for HiQSDR? In particular what
> is the function of the RX_ACTIVE, CCTX, CCRX and the signal being fed
> back into pin 9 of X1.
> >
> > Are there any facilities for tx delay on cw so the tx changeover
> relay stays in between inter-letter pauses or do I need to pulse
> stretch the tx_on signal?
> >
> > I am sure there is documentation on this but not sure where to look.
> I want to drive my old softrock linear for a little ZL fun contest on
> 80M QRP tonight.
> >
> > 73, Graeme ZL2APV
> >
>
>

--
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1009. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-20 03:39:13 UTC
From: Graeme
Topic: 1002 Message: 1009

Thank you Sid, that was a big help. I think the best thing would be for a truth table for the 3 FPGA pins (57, 56, 55) and their quiescent states.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> The pullup resistor R51 was intended to pull pin 7 to a High with the
> FPGA pin feeding it floating (Unused).
> On Both Mario's and on my Preselector, Pin 7 was presenting a Low which
> made FDX permanently come on and prevented switch to TX.
>
> Mario cut the track at RN1 but I cut wire to Pin 7 (CCTX) in the ribbon
> cable, both actions allowed switching into TX.
>
> With the new FPGA 1.4 firmware the FPGA pin 56 was programmed High,
> allowing the cable to be reconnected and TX switching to work.
>
> In G3VBV --> Files folder, HiQSDR_PTT.* was how I first used a level
> shifter (for N1 read X1) to drive a PTT relay.
> After a while it was slow in releasing (~30 seconds) then it stopped
> working altogether and the HiQSDR was sent to Helmut to replace RN1
> (Some mishap here no doubt).
> 73 ... Sid.
>
> On 19/05/13 22:55, Graeme wrote:
> >
> > Sorry to reply to my own post but I am sure someone must know what the
> > signals are and if they are inputs or outputs and their function. I
> > can get a very good idea from looking at how they are connected to the
> > preselector board but not the full specifications.
> >
> > For example the ANT_SELECT signal (pin 6 of X1 or pin 57 of FPGA) does
> > it operate before the TX RF is generated to allow the changeover relay
> > to operate and avoid a brief no load spike?
> >
> > The CCTX signal (pin 7 of X1 or pin 56 of FPGA) what is its function?
> > I see it has a pullup resistor so probably is open collector and also
> > is "anded" with ANT_SELECT on the preselector but do not know why.
> >
> > The CCRX signal (pin 8 of X1 or pin 55 of FPGA) seems to be an input
> > but again what is its function?
> >
> > I need this information so I can design my RX/TX changeover system and
> > if any of the delays and sequencing are already built into the HiQSDR

> > I do not want to duplicate this in hardware.
> >
> > I would be grateful if someone can help me here. Surely someone knows
> > the answers to this. I did my little fun contest over the weekend and
> > as it was QRP I used the ANT_SELECT signal for my antenna changeover
> > relay and did not worry about switching spikes if the RF was there
> > before the relay changed over, but for 100 watts it is a different story.
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> > 73, Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > "Graeme" <gvjury@> wrote:
> > >
> > > Is there any info on the trx controls for HiQSDR? In particular what
> > is the function of the RX_ACTIVE, CCTX, CCRX and the signal being fed
> > back into pin 9 of X1.
> > >
> > > Are there any facilities for tx delay on cw so the tx changeover
> > relay stays in between inter-letter pauses or do I need to pulse
> > stretch the tx_on signal?
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> > > I am sure there is documentation on this but not sure where to look.
> > I want to drive my old softrock linear for a little ZL fun contest on
> > 80M QRP tonight.
> > >
> > > 73, Graeme ZL2APV
> > >
> >
> >
>
>
> --
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>

1010. Re: [n2adr-sdr] Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-20 09:27:17 UTC
From: Sid Boyce
Topic: 1002 Message: 1010

Definitely Graeme,
Perhaps an update and completion of the control doc by Mario.

Briefly yesterday I checked my keyer which I hadn't used since 1985 when my brother was newly licensed in Canada and was restricted to CW for the first year.

I only checked ~25 WPM and there was much relay clicking but the side tone was OK, only afterwards I thought I should have checked to see how it would perform at 45 to 50 WPM.

I'll check again later at higher speeds whilst monitoring on another RX.
73 ... Sid.

On 20/05/13 04:39, Graeme wrote:
>
> Thank you Sid, that was a big help. I think the best thing would be
> for a truth table for the 3 FPGA pins (57, 56, 55) and their quiescent
> states.
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > The pullup resistor R51 was intended to pull pin 7 to a High with the
> > FPGA pin feeding it floating (Unused).
> > On Both Mario's and on my Preselector, Pin 7 was presenting a Low which
> > made FDX permanently come on and prevented switch to TX.
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> > Mario cut the track at RN1 but I cut wire to Pin 7 (CCTX) in the ribbon
> > cable, both actions allowed switching into TX.
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> > With the new FPGA 1.4 firmware the FPGA pin 56 was programmed High,
> > allowing the cable to be reconnected and TX switching to work.
> >
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> > shifter (for N1 read X1) to drive a PTT relay.
> > After a while it was slow in releasing (~30 seconds) then it stopped
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> > (Some mishap here no doubt).
> > 73 ... Sid.
> >
> > On 19/05/13 22:55, Graeme wrote:
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> > > Sorry to reply to my own post but I am sure someone must know what

> the
> > > signals are and if they are inputs or outputs and their function. I
> > > can get a very good idea from looking at how they are connected to
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> > > preselector board but not the full specifications.
> > >
> > > For example the ANT_SELECT signal (pin 6 of X1 or pin 57 of FPGA)
> does
> > > it operate before the TX RF is generated to allow the changeover
> relay
> > > to operate and avoid a brief no load spike?
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> > > The CCTX signal (pin 7 of X1 or pin 56 of FPGA) what is its function?
> > > I see it has a pullup resistor so probably is open collector and also
> > > is "anded" with ANT_SELECT on the preselector but do not know why.
> > >
> > > The CCRX signal (pin 8 of X1 or pin 55 of FPGA) seems to be an input
> > > but again what is its function?
> > >
> > > I need this information so I can design my RX/TX changeover system
> and
> > > if any of the delays and sequencing are already built into the HiQSDR
> > > I do not want to duplicate this in hardware.
> > >
> > > I would be grateful if someone can help me here. Surely someone knows
> > > the answers to this. I did my little fun contest over the weekend and
> > > as it was QRP I used the ANT_SELECT signal for my antenna changeover
> > > relay and did not worry about switching spikes if the RF was there
> > > before the relay changed over, but for 100 watts it is a different
> story.
> > >
> > > 73, Graeme ZL2APV
> > >
> > > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>
> <mailto:n2adr-sdr%40yahoogroups.com>,
> > > "Graeme" <gvjury@> wrote:
> > > >
> > > > Is there any info on the trx controls for HiQSDR? In particular
> what
> > > is the function of the RX_ACTIVE, CCTX, CCRX and the signal being fed
> > > back into pin 9 of X1.
> > > >
> > > > Are there any facilities for tx delay on cw so the tx changeover
> > > relay stays in between inter-letter pauses or do I need to pulse
> > > stretch the tx_on signal?
> > > >
> > > > I am sure there is documentation on this but not sure where to
> look.
> > > I want to drive my old softrock linear for a little ZL fun contest on

> > > 80M QRP tonight.
> > > >
> > > > 73, Graeme ZL2APV
> > > >
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
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1011. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-20 10:05:15 UTC
From: Graeme
Topic: 1002 Message: 1011

Heehee I can't send over 25 reliably but the antenna changeover relay operated with every dot and dash. In the end I made a pulse stretcher for the Tx changeover signal and the relay only flicked over during the inter word pauses.

Yes Mario's control doc is very useful but aimed at the programmer who is communicating back and forth between an sdr and the HiQSDR and does not address the hardware interfacing - yet?

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> Definitely Graeme,
> Perhaps an update and completion of the control doc by Mario.
>
> Briefly yesterday I checked my keyer which I hadn't used since 1985 when
> my brother was newly licensed in Canada and was restricted to CW for the
> first year.
>
> I only checked ~25 WPM and there was much relay clicking but the side
> tone was OK, only afterwards I thought I should have checked to see how
> it would perform at 45 to 50 WPM.
>
> I'll check again later at higher speeds whilst monitoring on another RX.
> 73 ... Sid.
>
> On 20/05/13 04:39, Graeme wrote:
> >
> > Thank you Sid, that was a big help. I think the best thing would be
> > for a truth table for the 3 FPGA pins (57, 56, 55) and their quiescent
> > states.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> > Sid Boyce <g3vbv@> wrote:
> > >
> > > The pullup resistor R51 was intended to pull pin 7 to a High with the
> > > FPGA pin feeding it floating (Unused).
> > > On Both Mario's and on my Preselector, Pin 7 was presenting a Low which
> > > made FDX permanently come on and prevented switch to TX.
> > >
> > > Mario cut the track at RN1 but I cut wire to Pin 7 (CCTX) in the ribbon
> > > cable, both actions allowed switching into TX.
> > >
> > > With the new FPGA 1.4 firmware the FPGA pin 56 was programmed High,

> > > allowing the cable to be reconnected and TX switching to work.
> > >
> > > In G3VBV --> Files folder, HiQSDR_PTT.* was how I first used a level
> > > shifter (for N1 read X1) to drive a PTT relay.
> > > After a while it was slow in releasing (~30 seconds) then it stopped
> > > working altogether and the HiQSDR was sent to Helmut to replace RN1
> > > (Some mishap here no doubt).
> > > 73 ... Sid.
> > >
> > > On 19/05/13 22:55, Graeme wrote:
> > > >
> > > > Sorry to reply to my own post but I am sure someone must know what
> > the
> > > > signals are and if they are inputs or outputs and their function. I
> > > > can get a very good idea from looking at how they are connected to
> > the
> > > > preselector board but not the full specifications.
> > > >
> > > > For example the ANT_SELECT signal (pin 6 of X1 or pin 57 of FPGA)
> > does
> > > > it operate before the TX RF is generated to allow the changeover
> > relay
> > > > to operate and avoid a brief no load spike?
> > > >
> > > > The CCTX signal (pin 7 of X1 or pin 56 of FPGA) what is its function?
> > > > I see it has a pullup resistor so probably is open collector and also
> > > > is "anded" with ANT_SELECT on the preselector but do not know why.
> > > >
> > > > The CCRX signal (pin 8 of X1 or pin 55 of FPGA) seems to be an input
> > > > but again what is its function?
> > > >
> > > > I need this information so I can design my RX/TX changeover system
> > and
> > > > if any of the delays and sequencing are already built into the HiQSDR
> > > > I do not want to duplicate this in hardware.
> > > >
> > > > I would be grateful if someone can help me here. Surely someone knows
> > > > the answers to this. I did my little fun contest over the weekend and
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> > > > > > > 73, Graeme ZL2APV
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1012. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-21 08:39:17 UTC
From: Helmut Goebkes
Topic: 1002 Message: 1012

Hi Graeme,

sorry for late reply but i am currently very busy.

Sid cleared the most important things already but here is the rest:

Preselector X2, Pin6: RX_ACTIVE: High in RX, Low if HiQSDR is TXing.
This is true for aöö modes, that means that for every dot of a CW
Signal this signals goeasto low. Internally, Preselectot / MPPA uses this Signal to Switch from RX to TX path and operates the changeover Signal. To Change to a CW delay, this Signal has to be changed in Firmware in FPGA to make a (adjustable) delay to avoid changesover relay release during CW Operation (should be operating mode dependant).
I will contact Jim for that problem.

Because i do not use CW, i did not recognize this as a problem ;-(

Preselector X2, Pin7, CCTX: Original designed for future use (CCTalk TX, a Serial Protocol) this Signal is redefined to be the "Full Duplex" Signal.
Always active if the preselector is switched via Software button
to the "Full Duplex Mode". Switches also the Preseleczor to full Duplex, that means, RX and TX pathes are separated and routed to the two separate SMA connectors on the rear.

Preselector X2, Pin8: CCTX: an Output from Preselector, Input to FPGA, Original designed for future use (CCTalk RX, a Serial Protocol) Not used, reserved for future use. To meet Levels of the 3.3V-Logic, the Signal has a resistive divider on preselctor.

Preselector X2, Pin9: This is a 3.3V voltage source from HiQSDR.
Used only as 3.3V source for the pull-Up resistor R51, 10K.
The Pull up Server to hold Pin7 in a defined 3.3V-Logic-high
to allow correct Operation of the "Full Duplex Signal" if FPGA
is equipped with older Firmware <1.4.

Hope this helps!

HAMRADIO 2013:
From 28th to 30th of June 2013, i am @ the HamRadio Exibition
in Friedrichshafen, Germany (A1, E509, Technologie 2000 GmbH).
I would be happy to meet-and-greet with Group members or
HiQSDR interested users!

best regards and 73!

Helmut, DB1CC

1013. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-21 10:41:44 UTC
From: Graeme
Topic: 1002 Message: 1013

Hello Helmut,

Many thanks for your reply and don't worry about being late as this is a hobby and some things need to come first.

Your explanation is very clear and I will appreciate it if you would discuss the cw timing issue with Jim. It would be very nice if a parameter "CW_Delay" could be placed in the .quisk_conf.py file with a range of say 0 to 50 mSec. This will allow the operator to set the timing so that inter letter spaces up to inter word spaces if desired do not operate the relay. On full break-in cw it is usual to have the radio go to receive on word pauses or even letter pauses.

I had a problem with my softrock where the RF was applied at the same time as the relay changeover signal which meant the RF was applied to the Linear while the relay contacts were traveling and the swr protection saw an open circuit antenna and consequently shut down the rig. I wonder if there is a settling period for the relays to changeover before RF is applied. Conversely on receive the RF needs to be stopped from the TX before the relays release. I suspect the mechanical delay of the relay will hold the contacts closed even if RF and relay release signal occur at the same time. Probably these points have already been considered but I bring it to your attention just in case.

It is a simple task to pulse stretch the RX_ACTIVE signal in hardware if the software modification is messy.

I could see that Preselector X2, Pin8: CCTX: was a level converter signal but had no idea of its purpose. For level conversion on my preselector i am using the 74LVC4245 chip which is a 3.3 volt to 5 volt octal converter but of course will need to do the same as you to go the other direction.

Danke sehr.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@...> wrote:
>
> Hi Graeme,
>
> sorry for late reply but i am currently very busy.
>
> Sid cleared the most important things already but here is the rest:
>
> Preselector X2, Pin6: RX_ACTIVE: High in RX, Low if HiQSDR is TXing.
> This is true for aöö modes, that means that for every dot of a CW
> Signal this signals goeasto low. Internally, Preselectot / MPPA uses this Signal to Switch from RX to TX path and operates the changeover Signal. To Change to a CW delay, this Signal has to be changed in Firmware in FPGA to make a (adjustable) delay to avoid changesover relay release during CW Operation (should be operating mode dependant).

> I will contact Jim for that problem.
>
> Because i do not use CW, i did not recognize this as a problem ;-(
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> Preselector X2, Pin7, CCTX: Original designed for future use (CCTalk TX, a Serial Protocol) this Signal is redefined to be the "Full Duplex" Signal.
> Always active if the preselector is switched via Software button
> to the "Full Duplex Mode". Switches also the Preseleczor to full Duplex, that means, RX and TX pathes are separated and routed to the two separate SMA connectors on the rear.
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> The Pull up Server to hold Pin7 in a defined 3.3V-Logic-high
> to allow correct Operation of the "Full Duplex Signal" if FPGA
> is equipped with older Firmware <1.4.
>
> Hope this helps!
>
> HAMRADIO 2013:
> From 28th to 30th of June 2013, i am @ the HamRadio Exibition
> in Friedrichshafen, Germany (A1, E509, Technologie 2000 GmbH).
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> HiQSDR interested users!
>
> best regards and 73!
>
>
> Helmut, DB1CC
>

1014. Re: [n2adr-sdr] Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-21 15:43:07 UTC
From: <hgoebkes@...>
Topic: 1002 Message: 1014

Hi Graeme,

The preselector takes care of the correct sequencing of antenna and PA changeover.
the relays are activated first and then the power to the MPPA is activated with a short delay
(approx 10-15mS). To control an external PA, low active open collector signals provided on preselector connector J3 (8 pin MicroMatch)

(Pin5: TX_ON/ can be used to switch external antenna/changeover relays)
(Pin7: PA_ON/ can be used to enable an external PA, this is a short delayed signal derived from TX_ON/)

both open collectors can drive max 50V/100mA, but no inductive loads directly (!)
(Switching transistor is BCR148W, see data sheet
http://www.infineon.com/dgdl/bcr148series.pdf?folderId=db3a30431400ef68011406f3ddb1012e&fileId=db3a30431428a373011440144ad602b8

best regards & 73!

Helmut, DB1CC

From: Graeme
Sent: Tuesday, May 21, 2013 12:41 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Re: HiQSDR TRX controls

Hello Helmut,

Many thanks for your reply and don't worry about being late as this is a hobby and some things need to come first.

Your explanation is very clear and I will appreciate it if you would discuss the cw timing issue with Jim. It would be very nice if a parameter "CW_Delay" could be placed in the .quisk_conf.py file with a range of say 0 to 50 mSec. This will allow the operator to set the timing so that inter letter spaces up to inter word spaces if desired do not operate the relay. On full break-in cw it is usual to have the radio go to receive on word pauses or even letter pauses.

I had a problem with my softrock where the RF was applied at the same time as the relay changeover signal which meant the RF was applied to the Linear while the relay contacts were traveling and the swr protection saw an open circuit antenna and consequently shut down the rig. I wonder if there is a settling period for the relays to changeover before RF is applied. Conversely on receive the RF needs to be stopped from the TX before the relays release. I suspect the mechanical delay of the relay will hold the contacts closed even if RF and relay release signal occur at the same time. Probably these points have already been considered but I bring it to your attention just in case.

It is a simple task to pulse stretch the RX_ACTIVE signal in hardware if the software modification is messy.

I could see that Preselector X2, Pin8: CCTX: was a level converter signal but had no idea of its purpose. For level conversion on my preselector i am using the 74LVC4245 chip which is a 3.3 volt to 5 volt octal converter but of course will need to do the same as you to go the other direction.

Danke sehr.

73, Graeme ZL2APV

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>
> Hi Graeme,
>
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> I will contact Jim for that problem.
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> Because i do not use CW, i did not recognize this as a problem ;-(
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> Preselector X2, Pin9: This is a 3.3V voltage source from HiQSDR.
> Used only as 3.3V source for the pull-Up resistor R51, 10K.
> The Pull up Server to hold Pin7 in a defined 3.3V-Logic-high
> to allow correct Operation of the "Full Duplex Signal" if FPGA
> is equipped with older Firmware <1.4.
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> Hope this helps!
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> From 28th to 30th of June 2013, i am @ the HamRadio Exibition
> in Friedrichshafen, Germany (A1, E509, Technologie 2000 GmbH).
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> HiQSDR interested users!
>
> best regards and 73!
>
>
> Helmut, DB1CC
>

1015. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-21 22:50:30 UTC
From: Graeme
Topic: 1002 Message: 1015

Hi Helmot,

Again thank you for the information. I now understand all that you have done and admire your clever design.

If you go down the road of pulse stretching with software the signal to preselector X2 pin 6 via Quisk you may find these calculations useful to you. You will also see that my guess of 0 to 50 mSec was way too small.

International Morse code is composed of five elements:

1. short mark, dot or 'dit' (·) ☐ 'dot duration' is one unit long
2. longer mark, dash or 'dah' (☐) ☐ three units long
3. inter-element gap ☐ one dot duration or one unit long
4. short gap (between letters) ☐ three units long
5. medium gap (between words) ☐ seven units long

Based upon a 50 dot duration standard word such as PARIS, the time for one dot duration or one unit can be computed by the formula:

T = 1200 / Words Per Minute
or
T = 6000 / Characters Per Minute

Hence at 10 WPM
T = 1200 / 10 = 120 mSec duration for one dot
and at 50 WPM
T = 1200 / 30 = 40 mSec duration for one dot

If you want to hold the relay over the gap between letters at nn WPM the delay needs to be dot time * 3 plus say 10 mSec for safety.
at 10 WPM = 120 * 3 + 10 = 370 mSec
at 30 WPM = 40 * 3 + 10 = 130 mSec

For holding between words needs to be dot time * 7 plus an allowance.
at 10 WPM = 120 * 7 + 10 = 850 mSec
at 30 WPM = 40 * 7 + 10 = 290 mSec

I would suggest a range of 0 to 900 mSec would cover practical speeds.

73, Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, <hgoebkes@...> wrote:
>
> Hi Graeme,
>
> The preselector takes care of the correct sequencing of antenna and PA changeover.
> the relays are activated first and then the power to the MPPA is activated with a short

delay
> (approx 10-15mS). To control an external PA, low active open collector signals provided
> on preselector connector J3 (8 pin MicroMatch)
>
> (Pin5: TX_ON/ can be used to switch external antenna/changeover relays)
> (Pin7: PA_ON/ can be used to enable an external PA, this is a short delayed signal
derived from TX_ON/)
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> both open collectors can drive max 50V/100mA, but no inductive loads directly (!)
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fileId=db3a30431428a373011440144ad602b8
>
>
> best regards & 73!
>
> Helmut, DB1CC
>
>
> From: Graeme
> Sent: Tuesday, May 21, 2013 12:41 PM
> To: n2adr-sdr@yahoogroups.com
> Subject: [n2adr-sdr] Re: HiQSDR TRX controls
>
>
>
> Hello Helmut,
>
> Many thanks for your reply and don't worry about being late as this is a hobby and some
things need to come first.
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timing issue with Jim. It would be very nice if a parameter "CW_Delay" could be placed in
the .quisk_conf.py file with a range of say 0 to 50 mSec. This will allow the operator to
set the timing so that inter letter spaces up to inter word spaces if desired do not
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> I had a problem with my softrock where the RF was applied at the same time as the relay
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is applied. Conversely on receive the RF needs to be stopped from the TX before the relays
release. I suspect the mechanical delay of the relay will hold the contacts closed even if
RF and relay release signal occur at the same time. Probably these points have already been
considered but I bring it to your attention just in case.
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modification is messy.
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> I could see that Preselector X2, Pin8: CCTX: was a level converter signal but had no idea

of its purpose. For level conversion on my preselector i am using the 74LVC4245 chip which is a 3.3 volt to 5 volt octal converter but of course will need to do the same as you to go the other direction.
>
> Danke sehr.
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> 73, Graeme ZL2APV
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> > HiQSDR interested users!
> >
> > best regards and 73!

> >
> >
> > Helmut, DB1CC
> >
>

1016. Re: HiQSDR TRX controls

Yahoo group: n2adr-sdr
Date: 2013-05-21 22:58:57 UTC
From: Graeme
Topic: 1002 Message: 1016

Hi Helmut,

Really sorry about the typo on your name. I will take more care in future.

73 Graeme

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Helmot,
>
> Again thank you for the information. I now understand all that you have done and admire your clever design.
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> If you go down the road of pulse stretching with software the signal to preselector X2 pin 6 via Quisk you may find these calculations useful to you. You will also see that my guess of 0 to 50 mSec was way too small.
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> 1. short mark, dot or 'dit' (·) ☐ 'dot duration' is one unit long
> 2. longer mark, dash or 'dah' (☐) ☐ three units long
> 3. inter-element gap ☐ one dot duration or one unit long
> 4. short gap (between letters) ☐ three units long
> 5. medium gap (between words) ☐ seven units long
>
>
> Based upon a 50 dot duration standard word such as PARIS, the time for one dot duration or one unit can be computed by the formula:
>
> T = 1200 / Words Per Minute
> or
> T = 6000 / Characters Per Minute
>
> Hence at 10 WPM
> T = 1200 / 10 = 120 mSec duration for one dot
> and at 50 WPM
> T = 1200 / 30 = 40 mSec duration for one dot
>
> If you want to hold the relay over the gap between letters at nn WPM the delay needs to be dot time * 3 plus say 10 mSec for safety.
> at 10 WPM = 120 * 3 + 10 = 370 mSec
> at 30 WPM = 40 * 3 + 10 = 130 mSec
>
> For holding between words needs to be dot time * 7 plus an allowance.
> at 10 WPM = 120 * 7 + 10 = 850 mSec
> at 30 WPM = 40 * 7 + 10 = 290 mSec
>

> I would suggest a range of 0 to 900 mSec would cover practical speeds.
>
> 73, Graeme ZL2APV
>
>
> --- In n2adr-sdr@yahoogroups.com, <hgoebkes@> wrote:
> >
> > Hi Graeme,
> >
> > The preselector takes care of the correct sequencing of antenna and PA changeover.
> > the relays are activated first and then the power to the MPPA is activated with a short delay
> > (approx 10-15mS). To control an external PA, low active open collector signals provided
> > on preselector connector J3 (8 pin MicroMatch)
> >
> > (Pin5: TX_ON/ can be used to switch external antenna/changeover relays)
> > (Pin7: PA_ON/ can be used to enable an external PA, this is a short delayed signal derived from TX_ON/)
> >
> > both open collectors can drive max 50V/100mA, but no inductive loads directly (!)
> > (Switching transistor is BCR148W, see data sheet
> > http://www.infineon.com/dgdl/bcr148series.pdf?folderId=db3a30431400ef68011406f3ddb1012e&fileId=db3a30431428a373011440144ad602b8
> >
> >
> > best regards & 73!
> >
> > Helmut, DB1CC
> >
> >
> > From: Graeme
> > Sent: Tuesday, May 21, 2013 12:41 PM
> > To: n2adr-sdr@yahoogroups.com
> > Subject: [n2adr-sdr] Re: HiQSDR TRX controls
> >
> >
> >
> > Hello Helmut,
> >
> > Many thanks for your reply and don't worry about being late as this is a hobby and some things need to come first.
> >
> > Your explanation is very clear and I will appreciate it if you would discuss the cw timing issue with Jim. It would be very nice if a parameter "CW_Delay" could be placed in the .quisk_conf.py file with a range of say 0 to 50 mSec. This will allow the operator to set the timing so that inter letter spaces up to inter word spaces if desired do not operate the relay. On full break-in cw it is usual to have the radio go to receive on word pauses or even letter pauses.
> >
> > I had a problem with my softrock where the RF was applied at the same time as the relay changeover signal which meant the RF was applied to the Linear while the relay contacts were traveling and the swr protection saw an open circuit antenna and consequently shut down the rig. I wonder if there is a settling period for the relays to changeover before RF is applied. Conversely on receive the RF needs to be stopped from the TX before the relays release. I suspect the mechanical delay of the relay will hold the contacts closed even if RF and relay release signal occur at the

same time. Probably these points have already been considered but I bring it to your attention just in case.
> >
> > It is a simple task to pulse stretch the RX_ACTIVE signal in hardware if the software modification is messy.
> >
> > I could see that Preselector X2, Pin8: CCTX: was a level converter signal but had no idea of its purpose. For level conversion on my preselector i am using the 74LVC4245 chip which is a 3.3 volt to 5 volt octal converter but of course will need to do the same as you to go the other direction.
> >
> > Danke sehr.
> >
> > 73, Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com, "Helmut Goebkes" <hgoebkes@> wrote:
> > >
> > > Hi Graeme,
> > >
> > > sorry for late reply but i am currently very busy.
> > >
> > > Sid cleared the most important things already but here is the rest:
> > >
> > > Preselector X2, Pin6: RX_ACTIVE: High in RX, Low if HiQSDR is TXing.
> > > This is true for aöö modes, that means that for every dot of a CW
> > > Signal this signals goeasto low. Internally, Preselectot / MPPA uses this Signal to Switch from RX to TX path and operates the changeover Signal. To Change to a CW delay, this Signal has to be changed in Firmware in FPGA to make a (adjustable) delay to avoid changesover relay release during CW Operation (should be operating mode dependant).
> > > I will contact Jim for that problem.
> > >
> > > Because i do not use CW, i did not recognize this as a problem ;-(
> > >
> > > Preselector X2, Pin7, CCTX: Original designed for future use (CCTalk TX, a Serial Protocol) this Signal is redefined to be the "Full Duplex" Signal.
> > > Always active if the preselector is switched via Software button
> > > to the "Full Duplex Mode". Switches also the Preseleczor to full Duplex, that means, RX and TX pathes are separated and routed to the two separate SMA connectors on the rear.
> > >
> > > Preselector X2, Pin8: CCTX: an Output from Preselector, Input to FPGA, Original designed for future use (CCTalk RX, a Serial Protocol) Not used, reserved for future use. To meet Levels of the 3.3V-Logic, the Signal has a resistive divider on preselctor.
> > >
> > > Preselector X2, Pin9: This is a 3.3V voltage source from HiQSDR.
> > > Used only as 3.3V source for the pull-Up resistor R51, 10K.
> > > The Pull up Server to hold Pin7 in a defined 3.3V-Logic-high
> > > to allow correct Operation of the "Full Duplex Signal" if FPGA
> > > is equipped with older Firmware <1.4.
> > >
> > > Hope this helps!
> > >
> > > HAMRADIO 2013:
> > > From 28th to 30th of June 2013, i am @ the HamRadio Exibition

> > > in Friedrichshafen, Germany (A1, E509, Technologie 2000 GmbH).
> > > I would be happy to meet-and-greet with Group members or
> > > HiQSDR interested users!
> > >
> > > best regards and 73!
> > >
> > >
> > > Helmut, DB1CC
> > >
> >
>

1017. Adc experiments

Yahoo group: n2adr-sdr
Date: 2013-05-24 13:50:11 UTC
From: yannminder
Topic: 1017 Message: 1017

After reading the FA article about the Hiqsdr, i decided to start to experiment with this project. As i don't like when it's to easy, i decided to use this receiver as a good (very good) basis and adapt it to my own version. I just finished the adc frontend using ltc2165 adc.
The first experiments used a logic analyzer to grab the data at 122.88Msps then compute the fft with matlab. The Adc clock is the same used by the Hiqsdr because his jitter and phase noise are excellents.
My question is : is there anyone who try the same thing or get the raw data from the adc through the fpga ?
This because i get some inconsistent results in ffts displays.
I applied different kind of windowing but the result is about the same : spectral leakage on the output, changing with time. For example, i get a perfect measurement of my signal generator (ifr2025) with SFDR and very good noise floor (-110dbm or better) in line with LTC2165 datasheet. On the next runs i can see the spectral lines widening as if the jitter on the adc clock degrades. I tried different sources as wenzel ocxo or simple quartz oscillators an get the same behaviour.
I found a microwave journal article about this phenomena (when the input signal periods are not an integer number in the sample file) but cannot adjust my input signal frequency relative to the adc reference clock. I'm currently building a pll to lock the crystek cvhd oscillator to an external 10MHz reference. On the same pcb i buffer the 122M on different outputs (adc/dac/fpga) with an ultra low jitter buffer (lmk0105). More to come...

1018. Re: Adc experiments

Yahoo group: n2adr-sdr
Date: 2013-05-25 18:08:55 UTC
From: rolin791
Topic: 1017 Message: 1018

Hi! In my latest project, I used ADS6145 and SI59X-PROG-Lvds 122.880 generanor.Thees work very good. I got -128.5dB on S-metr in 200 Herz bandwith .
But when I used LTC2208-14, I had unexplained noise -60dB ,which decreased when touched to the body of ADC.
See foto in my folder.
Give foto your project.

Best regards.

1019. Quisk 3.6.10 filter bandwidths

Yahoo group: n2adr-sdr
Date: 2013-06-07 12:12:05 UTC
From: g0izm
Topic: 1019 Message: 1019

Hello All

I'm using Quisk 3.6.10 and noticed that whatever mode was selected the rightmost filter button was always 1000Hz, regardless of whatever I put in .quisk_conf.py.

I (seemingly) fixed it via a small change in quisk.py:

```
$ diff quisk.py quisk1.py
2601c2601
< for i in range(0, len(buttons) - 1):
---
> for i in range(0, len(buttons)):
```

This doesn't seem to break anything for me & all the filter bandwidths are now available as expected.

73

1020. Re: [n2adr-sdr] Quisk 3.6.10 filter bandwidths

Yahoo group: n2adr-sdr
Date: 2013-06-07 16:34:50 UTC
From: <hgoebkes@...>
Topic: 1019 Message: 1020

Hi g0izm,

I (seemingly) fixed it via a small change in quisk.py:

```
$ diff quisk.py quisk1.py
2601c2601
< for i in range(0, len(buttons) - 1):
---
> for i in range(0, len(buttons)):
```

THat was not a good idea, the rightmost filter button has a special functionality.
If you klick this button with the right mouse button , a slider opens and you can assign a selectable bandwith to the this button.

73!

Helmut, DB1CC

1021. Re: Quisk 3.6.10 filter bandwidths

Yahoo group: n2adr-sdr
Date: 2013-06-07 18:49:14 UTC
From: g0izm
Topic: 1019 Message: 1021

--- In n2adr-sdr@yahoogroups.com, <hgoebkes@...> wrote:
>
> Hi g0izm,
>
>
> I (seemingly) fixed it via a small change in quisk.py:
>
> $ diff quisk.py quisk1.py
> 2601c2601
> < for i in range(0, len(buttons) - 1):
> ---
> > for i in range(0, len(buttons)):
>
> THat was not a good idea, the rightmost filter button has a special functionality.
> If you klick this button with the right mouse button , a slider opens and you can assign
> a selectable bandwith to the this button.
>
> 73!
>
> Helmut, DB1CC
>

Thanks (I now know another feature to play with!)

Looking at the files, the 1000Hz value I was seeing was the default value in my .quisk_init.pkl (which of course I'd never changed). The effect of the mod I made was to overwrite that with the value in quisk_conf_defaults.py. (Does each mode's last filter value - e.g 3000 for CW - in that file get used anywhere normally?)

Incidentally the slider still works in either case so there's seemingly no functionality loss with that.

73

1022. Testing Toroids with an LCR or?

Yahoo group: n2adr-sdr
Date: 2013-06-16 19:37:09 UTC
From: wa9sdj
Topic: 1022 Message: 1022

To further my education I'd like to do some testing on my toroids by measuring the inductance, comparing what it should be. I'm considering to purchase a LCR meter (I do have an MFJ-259B and an AIM-4170C) but am not completely sure how to properly test? Is there a standard frequency these should be measured at or? Anyone with time to share their experience?

Many thanks,

73
Andy

1023. Re: Testing Toroids with an LCR or?

Yahoo group: n2adr-sdr
Date: 2013-06-17 05:58:21 UTC
From: HGoebkes
Topic: 1022 Message: 1023

Hi Andy,

best is, to measure the toroids with an LCR meter.
Inductance of the wound toroids differ from winding strength, exact diameter of wire
and toroid material tolerances.
The windiwngs given in the table can be only a thumb-of-rule.
But keep in mind, that a toroid only can have even windings!
That means that you maybe nevr will get the "exact" inductance especially
if you have low winding count. one more will be too high, one less too low.
In this situation choose one more, it it always easier to remove a windng
than to make one more ;-)
You should try to be near 5% inductance tolerance and you will get
perfect filter results. But only wind "blind" awithout measureing the inductance
will give most of the time worse filter behaviour.

To measure inductance, theere are many LCR meters on the market.
LCR-Meter from AAA is a cheap choice, but somtimes ot very accurate,
a very fine and affordable (calibrated !) instrument is the one we use here
from Agilent, the 1733C LCR Meter. It costs around 330 EURO but its worth every cent!
We are measuring inductances @ a measuring frequency of 100kHz.

http://www.home.agilent.com/en/pd-1984437-pn-U1733C/100hz-120hz-1khz-10khz-100khz-handheld-lcr-meter?nid=-34196.980702&cc=DE&lc=ger
<http://www.home.agilent.com/en/pd-1984437-pn-U1733C/100hz-120hz-1khz-10khz-100khz-handheld-lcr-meter?nid=-34196.980702&cc=DE&lc=ger>

73!
Helmut, DB1CC

1024. Re: Testing Toroids with an LCR or?

Yahoo group: n2adr-sdr
Date: 2013-06-17 23:58:03 UTC
From: wa9sdj
Topic: 1022 Message: 1024

Many thanks. Although the Agilent has a reasonable price I much prefer bench test equipment, I'm currently searching and reviewing my options.

Thanks again for the great advise, I'll update here when I find what I'm looking for!

73
Andy

--- In n2adr-sdr@yahoogroups.com, HGoebkes <hgoebkes@...> wrote:
>
> Hi Andy,
>
> best is, to measure the toroids with an LCR meter.
> Inductance of the wound toroids differ from winding strength, exact diameter of
> wire
> and toroid material tolerances.
> The windiwngs given in the table can be only a thumb-of-rule.
> But keep in mind, that a toroid only can have even windings!
> That means that you maybe nevr will get the "exact" inductance especially
> if you have low winding count. one more will be too high, one less too low.
> In this situation choose one more, it it always easier to remove a windng
> than to make one more ;-)
> You should try to be near 5% inductance tolerance and you will get
> perfect filter results. But only wind "blind" awithout measureing the inductance
> will give most of the time worse filter behaviour.
>
> To measure inductance, theere are many LCR meters on the market.
> LCR-Meter from AAA is a cheap choice, but somtimes ot very accurate,
> a very fine and affordable (calibrated !) instrument is the one we use here
> from Agilent, the 1733C LCR Meter. It costs around 330 EURO but its worth every
> cent!
> We are measuring inductances @ a measuring frequency of 100kHz.
>
> http://www.home.agilent.com/en/pd-1984437-pn-U1733C/100hz-120hz-1khz-10khz-100khz-handheld-lcr-meter?nid=-34196.980702&cc=DE&lc=ger
> <http://www.home.agilent.com/en/pd-1984437-pn-U1733C/100hz-120hz-1khz-10khz-100khz-handheld-lcr-meter?nid=-34196.980702&cc=DE&lc=ger>
>
> 73!
> Helmut, DB1CC
>

1025. Re: Testing Toroids with an LCR or?

Yahoo group: n2adr-sdr
Date: 2013-06-24 21:32:50 UTC
From: wa9sdj
Topic: 1022 Message: 1025

I ended up buying a Hameg HM8118, I'm quite anxious for it to arrive!

Thanks again for the help.

73

--- In n2adr-sdr@yahoogroups.com, "wa9sdj" <dr.diesel@...> wrote:
>
> Many thanks. Although the Agilent has a reasonable price I much prefer bench test equipment, I'm currently searching and reviewing my options.
>
> Thanks again for the great advise, I'll update here when I find what I'm looking for!
>
> 73
> Andy
>

1026. Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-01 16:47:47 UTC
From: jimahlstrom
Topic: 1026 Message: 1026

I increased the size of the SoftRock status line.

You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.

I added some GREAT features from Christof, DJ4CM:
Symbols for buttons. But you can change back to text with use_unicode_symbols = False.
Two new buttons for direct entry and recall of items on the favorites screen.
A new window to display saved stations, favorites and dx cluster data below the frequency axis.
A feature to query a dx cluster using telnet, and display the stations.
The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.

1027. Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-03 19:44:15 UTC
From: Graeme
Topic: 1026 Message: 1027

Hi Jim,

Everything working just fine here with my HiQSDR. Again many thanks for a great job.

73 Graeme ZL2APV

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
>
> I increased the size of the SoftRock status line.
>
> You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.
>
> I added some GREAT features from Christof, DJ4CM:
> Symbols for buttons. But you can change back to text with use_unicode_symbols = False.
> Two new buttons for direct entry and recall of items on the favorites screen.
> A new window to display saved stations, favorites and dx cluster data below the frequency axis.
> A feature to query a dx cluster using telnet, and display the stations.
> The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.
>

1028. Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-09 17:05:47 UTC
From: Mario
Topic: 1026 Message: 1028

Hi,

since a few days i own a ARM based Cubieboard. It is a bit more powerful than a Raspberry Pi and has more memory and interfaces. I installed the Raspbian debian based Linux and tried to get Quisk working for a test. Compiling was not difficult. First i always got the GUI beeing inoperational at all but then i found that i really need .quisk_conf.py in the home directory. I simply ignored that.
After having the audio interface configured to hw:1 and the config file at the correct place i get pieces of audio out of the speakers.
Unfortunately also tons of error messages, all the same like:
"Failure in quisk.c in integer decimation"
?

regards
Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@...> wrote:
>
> Hi Jim,
>
> Everything working just fine here with my HiQSDR. Again many thanks for a great job.
>
> 73 Graeme ZL2APV
>
> --- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@> wrote:
> >
> >
> > I increased the size of the SoftRock status line.
> >
> > You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.
> >
> > I added some GREAT features from Christof, DJ4CM:
> > Symbols for buttons. But you can change back to text with use_unicode_symbols = False.
> > Two new buttons for direct entry and recall of items on the favorites screen.
> > A new window to display saved stations, favorites and dx cluster data below the frequency axis.
> > A feature to query a dx cluster using telnet, and display the stations.
> > The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.
> >
>

1029. Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-09 17:09:46 UTC
From: Mario
Topic: 1026 Message: 1029

After having pressed the send button two things came to my mind:
1) i set the sample rate in the config to 44100
2) 44100 is not multiple of 8000 ;)

after changing to 48000 quisk works on the arm machine.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:
>
> Hi,
>
> since a few days i own a ARM based Cubieboard. It is a bit more powerful than a Raspberry Pi and has more memory and interfaces. I installed the Raspbian debian based Linux and tried to get Quisk working for a test. Compiling was not difficult. First i always got the GUI beeing inoperational at all but then i found that i really need .quisk_conf.py in the home directory. I simply ignored that.
> After having the audio interface configured to hw:1 and the config file at the correct place i get pieces of audio out of the speakers.
> Unfortunately also tons of error messages, all the same like:
> "Failure in quisk.c in integer decimation"
> ?
>
> regards
> Mario, DH5YM
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:
> >
> > Hi Jim,
> >
> > Everything working just fine here with my HiQSDR. Again many thanks for a great job.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@> wrote:
> > >
> > >
> > > I increased the size of the SoftRock status line.
> > >
> > > You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.
> > >
> > > I added some GREAT features from Christof, DJ4CM:

> > > Symbols for buttons. But you can change back to text with use_unicode_symbols = False.
> > > Two new buttons for direct entry and recall of items on the favorites screen.
> > > A new window to display saved stations, favorites and dx cluster data below the frequency axis.
> > > A feature to query a dx cluster using telnet, and display the stations.
> > > The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.
> > >
> >
>

1030. RE: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-09 18:53:01 UTC
From: MIKE DURKIN
Topic: 1026 Message: 1030

nice ....

cant wait for Odroid to fix their kernal for use of the Max98090 stereo input ...
Its got a Quad Arm & Mali400

To: n2adr-sdr@yahoogroups.com
From: dh5ym@...
Date: Tue, 9 Jul 2013 17:09:46 +0000
Subject: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

After having pressed the send button two things came to my mind:

1) i set the sample rate in the config to 44100

2) 44100 is not multiple of 8000 ;)

after changing to 48000 quisk works on the arm machine.

regards

Mario

--- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@...> wrote:

>

> Hi,

>

> since a few days i own a ARM based Cubieboard. It is a bit more powerful than a Raspberry Pi and has more memory and interfaces. I installed the Raspbian debian based Linux and tried to get Quisk working for a test. Compiling was not difficult. First i always got the GUI beeing inoperational at all but then i found that i really need .quisk_conf.py in the home directory. I simply ignored that.

> After having the audio interface configured to hw:1 and the config file at the correct place i get pieces of audio out of the speakers.

> Unfortunately also tons of error messages, all the same like:

> "Failure in quisk.c in integer decimation"

> ?

>

> regards

> Mario, DH5YM

>

>

>

> --- In n2adr-sdr@yahoogroups.com, "Graeme" <gvjury@> wrote:

> >

> > Hi Jim,

> >

> > Everything working just fine here with my HiQSDR. Again many thanks for a great job.

> >

> > 73 Graeme ZL2APV

> >

> > --- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@> wrote:

> > >

> > >

> > > I increased the size of the SoftRock status line.

> > >

> > > You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.

> > >

> > > I added some GREAT features from Christof, DJ4CM:

> > > Symbols for buttons. But you can change back to text with use_unicode_symbols = False.

> > > Two new buttons for direct entry and recall of items on the favorites screen.

> > > A new window to display saved stations, favorites and dx cluster data below the frequency axis.

> > > A feature to query a dx cluster using telnet, and display the stations.

> > > The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.

> > >

> >

>

1031. Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-07-20 21:04:51 UTC
From: Mario
Topic: 1026 Message: 1031

Hi,

i tried with my Cubieboard with A10 processor. Unfortunately it does not run perfectly even with 48kSpl/s. Probably the version with dual core processor runs better because you have 1 core for Quisk only.
I would be interested in the practical results with Odroid.

regards
Mario

--- In n2adr-sdr@yahoogroups.com, MIKE DURKIN <Patriot121@...> wrote:
>
> nice ....
>
> cant wait for Odroid to fix their kernal for use of the Max98090 stereo input ...
> Its got a Quad Arm & Mali400
>
> To: n2adr-sdr@yahoogroups.com
> From: dh5ym@...
> Date: Tue, 9 Jul 2013 17:09:46 +0000
> Subject: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013
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>
> After having pressed the send button two things came to my mind:
>
> 1) i set the sample rate in the config to 44100
>
> 2) 44100 is not multiple of 8000 ;)
>
>
>
> after changing to 48000 quisk works on the arm machine.
>
>
>
> regards
>
> Mario
>
>
>
> --- In n2adr-sdr@yahoogroups.com, "Mario" <dh5ym@> wrote:
>
> >
>
> > Hi,
>
> >
>
> > since a few days i own a ARM based Cubieboard. It is a bit more powerful than a Raspberry Pi and has more memory and interfaces. I installed the Raspbian debian based Linux and tried to get Quisk working for a test. Compiling was not difficult. First i always got the GUI beeing inoperational at all but then i found that i really need .quisk_conf.py in the home directory. I simply ignored that.
>
> > After having the audio interface configured to hw:1 and the config file at the correct place i get pieces of audio out of the speakers.
>
> > Unfortunately also tons of error messages, all the same like:
>
> > "Failure in quisk.c in integer decimation"
>
> > ?
>
> >
>
> > regards
>
> > Mario, DH5YM
>
> >
>

> >
>
> >
>
> > --- In n2adr-sdr@...m, "Graeme" <gvjury@> wrote:
>
> > >
>
> > > Hi Jim,
>
> > >
>
> > > Everything working just fine here with my HiQSDR. Again many thanks for a great job.
>
> > >
>
> > > 73 Graeme ZL2APV
>
> > >
>
> > > --- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@> wrote:
>
> > > >
>
> > > >
>
> > > > I increased the size of the SoftRock status line.
>
> > > >
>
> > > > You can now change frequency by left clicking on the digits in the frequency display. Click on the upper part of a digit to increase it, and the lower part to decrease it.
>
> > > >
>
> > > > I added some GREAT features from Christof, DJ4CM:
>
> > > > Symbols for buttons. But you can change back to text with use_unicode_symbols = False.
>
> > > > Two new buttons for direct entry and recall of items on the favorites screen.
>
> > > > A new window to display saved stations, favorites and dx cluster data below the frequency axis.
>
> > > > A feature to query a dx cluster using telnet, and display the stations.
>
> > > > The symbols use Unicode, and were tested on Linux and Windows, and on computers in Germany and the USA. But if your Windows does not support Unicode, you will need to add

use_unicode_symbols = False. Read quisk_conf_defaults.py (as usual), and look for quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and dxClHost to see how to use these features by Christof.
>
> > > >
>
> > >
>
> >
>

1032. Quisk Version 3.6.12 August 2013

Yahoo group: n2adr-sdr
Date: 2013-08-01 19:08:21 UTC
From: jimahlstrom
Topic: 1032 Message: 1032

I fixed a bug that produced slight distortion in the transmitted signal. I added the Enum type to the mixer control "mixer_settings[]". Be sure to use a Python float if you want a decimal fraction 0.0 to 1.0; that is, use "1.0" for 100%, not "1".

The config file now defines hot keys that will press the PTT button when the keys are pressed.

I added a new tab to the Config Screen for testing transmit audio. You can record and play back the processed microphone output to hear what it sounds like. I plan to add audio controls to this screen in a future release. I think the record/playback is more useful than a simple loopback because I find it difficult to talk and listen at the same time.

1033. Re: Quisk Version 3.6.12 August 2013

Yahoo group: n2adr-sdr
Date: 2013-08-02 15:09:39 UTC
From: rolin791
Topic: 1032 Message: 1033

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...>

Hi Jim! Thank you for you job.

I noticed that preselector switches only when you press the band buttons
and nonswitches when setting frequency in the window or with arrows.
This is problem for TX PA for the correct choice of LPF.
I would be happy, If can set frequency range for each value of preselector but not band.
Similarly, this is necessary for tx_level.

I see the problem , Quisk doesn't save size of graph in the waterfall mode. Every time,
size = 0. (windows 8.1)

And,I would be like increase resolution of waterfall.

Thank you!

1034. Problem -- 15m BPF permanently selected

Yahoo group: n2adr-sdr
Date: 2013-08-03 01:44:01 UTC
From: Sid Boyce
Topic: 1034 Message: 1034

First I checked J4-pin 5 to make sure there was no short to GND.

IC3 pin 16 measured on the DVM is 0V.
IC3 pin 1 and IC9 pin 7 also 0V.
Replaced IC3 but problem still exists.

From Presel_HiQSDR_BOT.JPG

IC3 (Bottom left next to relays) IC8 (Right of IC3
next to edge of board)

IC4 IC9 (above IC8)

GHiQTRX_Presel_V26_BOT.pdf is different.

Please confirm which is correct.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1035. Re: Quisk Version 3.6.12 August 2013

Yahoo group: n2adr-sdr
Date: 2013-08-03 14:01:40 UTC
From: jimahlstrom
Topic: 1032 Message: 1035

--- In n2adr-sdr@yahoogroups.com, "rolin791" <rolin791@...> wrote:

> I noticed that preselector switches only when you press the band buttons
> and nonswitches when setting frequency in the window or with arrows.

If I am on 40 meters, and I enter 14.1 in the frequency window and hit enter, the band button
switches to 20 meters. Please check if this happens for you. If the band button changes, then
the preselector should change too. If the band button does not change, then check the configuration
file for BandEdge[], as this controls the frequency definitions for each band, and must be correct.

If the band button changes, and the preselector does not change, check HiQSDR_BandDict[] in the config file.

> I see the problem , Quisk doesn't save size of graph in the waterfall mode. Every time, size = 0. (windows 8.1)

The initial size of the waterfall graph is set with waterfall_graph_size in your config file.

> And,I would be like increase resolution of waterfall.

I do not know what you mean by this. Waterfall colors are set with the sliders Ys and Yz for scale and zero.

Jim
N2ADR

1036. Re: Quisk Version 3.6.12 August 2013

Yahoo group: n2adr-sdr
Date: 2013-08-04 16:23:57 UTC
From: rolin791
Topic: 1032 Message: 1036

Thank you for answears.
>
> If I am on 40 meters, and I enter 14.1 in the frequency window and >hit enter, the band button switches to 20 meters.
If I am on 40m and enter in window 13.980, the band button not switch, and then klick on graph with mouse 14.100 , the band not switch too.
But I already understand how to configure this.

> > And,I would be like increase resolution of waterfall.
>
> I do not know what you mean by this. Waterfall colors are set with the sliders Ys and Yz for scale and zero.
>
I set the fft_size_multiplier = 15 and FFT Number of point was 19200
and I see pixels on the waterfall. It's not bad! But I think the quality could be better.

Thank you!

1037. Problems with Quisk/Ubuntu after "Update"

Yahoo group: n2adr-sdr
Date: 2013-08-05 04:43:48 UTC
From: wb4jfi
Topic: 1037 Message: 1037

OK, so my bench laptop wanted to do updates on a whole bunch of stuff. Fine, I think, and let it do its thing. Stupid move. This has been a rather poor week in the shack, and I should have gone to see a movie instead.

I had Quisk 3.6.11 working fine for both the SDRIQ and the Charleston Rx1, and had been working on a different computer fixing the Windows version of Quisk for 3.6.11, and then 3.6.12 when it came out.

I then added 3.6.12 (a clean copy) to the Bench laptop, and built it. Darned if I don't now get errors at runtime. If I do a "sudo ./quisk.py", I get an error: undefined symbol PyCapsule_New. If I do a "python quisk.py", I get an error: import wxversion, no module named wxversion. But, if I do a sudo apt-get install python-wxversion, it says that it's there. Typing just python shows that I'm set to Python 2.7.5.

So, previously built Quisk 3.6.11 still ran, but 3.6.12 would not. As a test, I rebuilt 3.6.11, and now IT no longer works, exhibiting the same results.

However, Quisk 3.5.11 still runs fine on the same machine, even after rebuilding it.

I HATE when this happens. Anybody have any ideas? I've looked over the web without much luck.
Thanks and 73, Terry, WB4JFI

1038. Re: Problems with Quisk/Ubuntu after "Update"

Yahoo group: n2adr-sdr
Date: 2013-08-05 16:18:09 UTC
From: jimahlstrom
Topic: 1037 Message: 1038

Hello Terry,

The PyCapsule interface was introduced several versions ago, so perhaps it is not in Quisk 3.5. Anyway, PyCapsule is in Python 2.7, and 3.1, but not in 3.0. So it is possible that you are using 3.0 somehow. Try "python" in a terminal window to see the version. Then try "python quisk.py"; it is possible that "./quisk.py" uses Python 3.0.

Another possibility is that your wx version is for 3.x. You must have a recent wx for Python 2.7. Try "python" (validate 2.7) then "import wxversion" ; this must work. Also "import wx", and "print wx" might help.

I think you have incompatible python and wx. My Python is 2.7.3 and wx prints as /usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/__init__.pyc. Note that wx is in the Python2.7 library.

Jim
N2ADR

1039. Re: Problems with Quisk/Ubuntu after "Update"

Yahoo group: n2adr-sdr
Date: 2013-08-06 00:58:22 UTC
From: wb4jfi
Topic: 1037 Message: 1039

Thanks for this Jim. Your info pointed me in sort of the right direction. I didn't want to bother you on what was probably stupidity on my end. This hasn't been a great week and I've been feeling a little under the weather, taking some funny prescript medicine. I can feel that the brain is not firing on all cylinders! Not that it ever has...

It turns out that I was probably running Python 2.6 in the past, as I only have directories for Python 2.6 and 3.1 in /usr/lib. But, usr/local/bin only has Ptyhon 2.7 in it, plus a link from "python" to python2.7 in that same directory. So, somehow 2.7.5 got installed, and a link created that messed things up. I killed the link entry, and now Python 2.6 runs as the default (from where I don't know).

So, I can now successfully build and run Quisk 3.6.11 again, 3.6.12 builds, but I get errors when I try to run it with the Charleston receiver. Or, it will draw most of the Quisk screen, then stop working, depending on how I run it. I will try it with the SDR-IQ later tonight. In the next couple of days I will also try these both out with my HiQSDR as well.

Thanks again for all your help. I will let you know of my progress.
73, Terry, WB4JFI

--- In n2adr-sdr@yahoogroups.com, "jimahlstrom" <jahlstr@...> wrote:
>
> Hello Terry,
>
> The PyCapsule interface was introduced several versions ago, so perhaps it is not in Quisk 3.5. Anyway, PyCapsule is in Python 2.7, and 3.1, but not in 3.0. So it is possible that you are using 3.0 somehow. Try "python" in a terminal window to see the version. Then try "python quisk.py"; it is possible that "./quisk.py" uses Python 3.0.
>
> Another possibility is that your wx version is for 3.x. You must have a recent wx for Python 2.7. Try "python" (validate 2.7) then "import wxversion" ; this must work. Also "import wx", and "print wx" might help.
>
> I think you have incompatible python and wx. My Python is 2.7.3 and wx prints as /usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/__init__.pyc. Note that wx is in the Python2.7 library.
>
> Jim
> N2ADR
>

1040. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2013-08-13 20:18:08 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 1040

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /rolin791/HIQSDR_to_SDRIP.exe
Uploaded by : rolin791 <rolin791@...>
Description : To SDR-IP protocol translator

You can access this file at the URL:
http://groups.yahoo.com/group/n2adr-sdr/files/rolin791/HIQSDR_to_SDRIP.exe

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

rolin791 <rolin791@...>

1041. To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-13 20:31:14 UTC
From: rolin791
Topic: 1041 Message: 1041

Hi people !
I make a small program for connecting HiQSDR as SDR-IP to another programs. This work with SDR-RADIO V 1.5 and SDR-CONSOLE V2.0
(tested) and must work with another programs.
It has a problem with sound quality because of oversampling but this maybe interesting as toy.

Goodluck!

1042. Re: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-08-15 21:20:31 UTC
From: Sid Boyce
Topic: 1026 Message: 1042

Late reply, I had problems with getting mail to my g3vbv ID and only got it fixed last night - thousands and thousands of emails flooded in.

Mario, I had the same problem with quisk and Jim suggested that video processing was the hog.

With the ODROID-X and the mali400 video driver which takes care of video processing, the problem went away with USB sound cards but as Mike wrote here, the hardkernel support for the max98090 sound chip on the ODROID is useless and it would probably be a huge job touching many files if they backported max98090 support from the mainline kernel.
73 ... Sid.

On 09/07/13 18:05, Mario wrote:
>
> Hi,
>
> since a few days i own a ARM based Cubieboard. It is a bit more
> powerful than a Raspberry Pi and has more memory and interfaces. I
> installed the Raspbian debian based Linux and tried to get Quisk
> working for a test. Compiling was not difficult. First i always got
> the GUI beeing inoperational at all but then i found that i really
> need .quisk_conf.py in the home directory. I simply ignored that.
> After having the audio interface configured to hw:1 and the config
> file at the correct place i get pieces of audio out of the speakers.
> Unfortunately also tons of error messages, all the same like:
> "Failure in quisk.c in integer decimation"
> ?
>
> regards
> Mario, DH5YM
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> "Graeme" <gvjury@...> wrote:
> >
> > Hi Jim,
> >
> > Everything working just fine here with my HiQSDR. Again many thanks
> for a great job.
> >
> > 73 Graeme ZL2APV
> >
> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "jimahlstrom" <jahlstr@> wrote:
> > >
> > >

> > > I increased the size of the SoftRock status line.
> > >
> > > You can now change frequency by left clicking on the digits in the
> frequency display. Click on the upper part of a digit to increase it,
> and the lower part to decrease it.
> > >
> > > I added some GREAT features from Christof, DJ4CM:
> > > Symbols for buttons. But you can change back to text with
> use_unicode_symbols = False.
> > > Two new buttons for direct entry and recall of items on the
> favorites screen.
> > > A new window to display saved stations, favorites and dx cluster
> data below the frequency axis.
> > > A feature to query a dx cluster using telnet, and display the
> stations.
> > > The symbols use Unicode, and were tested on Linux and Windows, and
> on computers in Germany and the USA. But if your Windows does not
> support Unicode, you will need to add use_unicode_symbols = False.
> Read quisk_conf_defaults.py (as usual), and look for quisk_typeface,
> btn_text_, use_unicode_symbols, sym_stat_, station_display_lines, and
> dxClHost to see how to use these features by Christof.
> > >
> >
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1043. RE: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-08-15 23:41:41 UTC
From: MIKE DURKIN
Topic: 1026 Message: 1043

Still burns me that they have not addressed that .... Its WAY far less work to back port the max98090 than the work put forth to make the Mali400 Odroid into a working GAME CONSOLE !!!!!

Sorry -- didnt quite belong here in this forum .... the OdroidX would be a great SDR processing board -- IF the onboard 96K 32Bit codec was working properly !!!!

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Thu, 15 Aug 2013 22:20:31 +0100
Subject: Re: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

Late reply, I had problems with getting
mail to my g3vbv ID and only got it fixed last night - thousands
and thousands of emails flooded in.

Mario, I had the same problem with quisk and Jim suggested that
video processing was the hog.

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video processing, the problem went away with USB sound cards but
as Mike wrote here, the hardkernel support for the max98090 sound
chip on the ODROID is useless and it would probably be a huge job
touching many files if they backported max98090 support from the
mainline kernel.

73 ... Sid.

On 09/07/13 18:05, Mario wrote:

Hi,

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interfaces. I installed the Raspbian debian based Linux
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inoperational at all but then i found that i really need
.quisk_conf.py in the home directory. I simply ignored
that.

After having the audio interface configured to hw:1 and
the config file at the correct place i get pieces of audio
out of the speakers.

Unfortunately also tons of error messages, all the same
like:

"Failure in quisk.c in integer decimation"

?

regards

Mario, DH5YM

--- In n2adr-sdr@yahoogroups.com,
"Graeme" <gvjury@...> wrote:

>

> Hi Jim,

>

> Everything working just fine here with my HiQSDR.
Again many thanks for a great job.

>

> 73 Graeme ZL2APV

>

> --- In n2adr-sdr@yahoogroups.com,
"jimahlstrom" <jahlstr@> wrote:

> >

> >

> > I increased the size of the SoftRock status
line.

> >

> > You can now change frequency by left clicking on
the digits in the frequency display. Click on the upper
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quisk_typeface, btn_text_, use_unicode_symbols, sym_stat_,
station_display_lines, and dxClHost to see how to use
these features by Christof.

> >

>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1044. Re: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013

Yahoo group: n2adr-sdr
Date: 2013-08-16 06:57:19 UTC
From: Sid Boyce
Topic: 1026 Message: 1044

The importance of such issues and impact on SDR is not understood by most of mainstream.

Typical was my request for VirtualBox to support 2 sound cards. I only got one reply asking what I needed 2 sound cards for. I explained why but never had a reply to that.

That the Linux kernel has from very early included hamradio support was mainly due to Linus' lieutenant Alan Cox and also significant contributions from Jonathon Naylor now of Ubuntu.

That precedent meant that Alex Lee (9V1AL) had no trouble in getting UAC2 support into the kernel.

Back in the day when internet speeds topped out at 96KBps, our Linux hamradio group including Alan, would meet in a school monthly with our PC's, 10 MBps cables strewn across the floor so that code could be exchanged. We had a very active UK Linux hamradio TCP/IP group that mimicked the internet, e.g leave for work in the morning and return home in the evening with email and news (comp.os.linux and other hamradio groups) sitting on our PC's all done over our radio networks.
73 ... Sid.

On 16/08/13 00:41, MIKE DURKIN wrote:
>
> Still burns me that they have not addressed that .... Its WAY far less
> work to back port the max98090 than the work put forth to make the
> Mali400 Odroid into a working GAME CONSOLE !!!!!
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> be a great SDR processing board -- IF the onboard 96K 32Bit codec was
> working properly !!!!
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> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Thu, 15 Aug 2013 22:20:31 +0100
> Subject: Re: [n2adr-sdr] Re: Quisk Version 3.6.11 July 2013
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> Late reply, I had problems with getting mail to my g3vbv ID and only
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> > 73 Graeme ZL2APV
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> > --- In n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr%40yahoogroups.com>, "jimahlstrom" <jahlstr@> wrote:
> > >
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> > > You can now change frequency by left clicking on the digits in
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> > > Symbols for buttons. But you can change back to text with

> use_unicode_symbols = False.
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> favorites screen.
> > > A new window to display saved stations, favorites and dx
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> and on computers in Germany and the USA. But if your Windows does
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> station_display_lines, and dxClHost to see how to use these
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> > >
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>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

1045. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-17 18:50:09 UTC
From: ab9mv
Topic: 1041 Message: 1045

Hi rolin,

nice program, but my test with cutesdr V1.11 was not successful.
Is the source code available ?

Regards

1046. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-20 19:03:18 UTC
From: Guenter DL7LA
Topic: 1041 Message: 1046

--- In n2adr-sdr@yahoogroups.com, "rolin791" <rolin791@...> wrote:
>
> Hi people !
> I make a small program for connecting HiQSDR as SDR-IP to another programs. This work with SDR-RADIO V 1.5 and SDR-CONSOLE V2.0
> (tested) and must work with another programs.
> It has a problem with sound quality because of oversampling but this maybe interesting as toy.
>
> Goodluck!
>

Hello, rolin,

translation seems to work, showing varying conversion samples/s rates. But then: Any hints as to the 'network settings' (adress and port number) in the SDR Console 2.0?

Guenter/DL7LA

1047. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-21 16:16:30 UTC
From: rolin791
Topic: 1041 Message: 1047

Please click on the "Info" button for more information.
IP 127.0.0.1
Port 50
Serial HIQSDR

Program generally available.
https://docs.google.com/file/d/0BzuiSb2tJSbzREZlT051T1Z5RGM/edit?usp=sharing

1048. Quisk SDR on Linux Mint 14

Yahoo group: n2adr-sdr
Date: 2013-08-22 00:44:36 UTC
From: kk4huu
Topic: 1048 Message: 1048

(Also posted on linuxhams group)

I am trying to get my Softrock Ensemble RXTX working with Quisk (compiled 3.6.12 for 64 bit) and Fldigi on Linux Mint 14, and I am not having any luck.

I can 'listen' to PSK31 QSOs with the RXTX talking to HDSDR and Fldigi on Win7 on my dual-booted HP Envy 17 3270nr, so I know that at least my RXTX is receiving. However, I cannot get anything useful on Mint, which I prefer over Win7.

The problem seems to be with the audio setup. All I am getting is -90dB to -120dB of background noise showing up on Quisk and output through the speakers (which should not be happening).

My .quisk_conf.py has the following enabled lines:

```
from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

usb_vendor_id = 0x16c0
usb_product_id = 0x05dc
softrock_model = "RxTxEnsemble"

key_poll_msec = 0

sample_rate = 48000

name_of_sound_capt = "hw:0,0"
name_of_sound_play = name_of_sound_capt

#Added Digital Loopback for fldigi
digital_input_name = "hw:Loopback,0"
digital_output_name = digital_input_name
```

list of arecord and aplay:

```
$ arecord -l
**** List of CAPTURE Hardware Devices ****
card 0: PCH [HDA Intel PCH], device 0: STAC92xx Analog [STAC92xx Analog]
Subdevices: 2/2
Subdevice #0: subdevice #0
Subdevice #1: subdevice #1
card 1: Loopback [Loopback], device 0: Loopback PCM [Loopback PCM]
Subdevices: 8/8
Subdevice #0: subdevice #0
Subdevice #1: subdevice #1
Subdevice #2: subdevice #2
Subdevice #3: subdevice #3
Subdevice #4: subdevice #4
```

```
Subdevice #5: subdevice #5
Subdevice #6: subdevice #6
Subdevice #7: subdevice #7
card 1: Loopback [Loopback], device 1: Loopback PCM [Loopback PCM]
Subdevices: 8/8
Subdevice #0: subdevice #0
Subdevice #1: subdevice #1
Subdevice #2: subdevice #2
Subdevice #3: subdevice #3
Subdevice #4: subdevice #4
Subdevice #5: subdevice #5
Subdevice #6: subdevice #6
Subdevice #7: subdevice #7

$ aplay -l
**** List of PLAYBACK Hardware Devices ****
card 0: PCH [HDA Intel PCH], device 0: STAC92xx Analog [STAC92xx Analog]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 0: PCH [HDA Intel PCH], device 1: STAC92xx Digital [STAC92xx Digital]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 0: PCH [HDA Intel PCH], device 3: HDMI 0 [HDMI 0]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 0: PCH [HDA Intel PCH], device 7: HDMI 1 [HDMI 1]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 0: PCH [HDA Intel PCH], device 8: HDMI 2 [HDMI 2]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 1: Loopback [Loopback], device 0: Loopback PCM [Loopback PCM]
Subdevices: 8/8
Subdevice #0: subdevice #0
Subdevice #1: subdevice #1
Subdevice #2: subdevice #2
Subdevice #3: subdevice #3
Subdevice #4: subdevice #4
Subdevice #5: subdevice #5
Subdevice #6: subdevice #6
Subdevice #7: subdevice #7
card 1: Loopback [Loopback], device 1: Loopback PCM [Loopback PCM]
Subdevices: 8/8
Subdevice #0: subdevice #0
Subdevice #1: subdevice #1
Subdevice #2: subdevice #2
Subdevice #3: subdevice #3
Subdevice #4: subdevice #4
Subdevice #5: subdevice #5
Subdevice #6: subdevice #6
```

Subdevice #7: subdevice #7

Any thoughts?

Bobby G

1049. Re: [n2adr-sdr] Quisk SDR on Linux Mint 14

Yahoo group: n2adr-sdr
Date: 2013-08-22 10:13:55 UTC
From: Sid Boyce
Topic: 1048 Message: 1049
Attachments: 1 described; binary payloads are missing from this source WARC

I haven't looked at running fldigi under quisk, I have only used fldigi standalone with 2 sound cards, the same as I used for AM/CW/SSB/FM.

In the quisk documentation there is a description of what must be configured for digital modes.
73 ... Sid.

On 22/08/13 01:44, kk4huu wrote:
>
> (Also posted on linuxhams group)
>
> I am trying to get my Softrock Ensemble RXTX working with Quisk
> (compiled 3.6.12 for 64 bit) and Fldigi on Linux Mint 14, and I am not
> having any luck.
>
> I can 'listen' to PSK31 QSOs with the RXTX talking to HDSDR and Fldigi
> on Win7 on my dual-booted HP Envy 17 3270nr, so I know that at least
> my RXTX is receiving. However, I cannot get anything useful on Mint,
> which I prefer over Win7.
>
> The problem seems to be with the audio setup. All I am getting is
> -90dB to -120dB of background noise showing up on Quisk and output
> through the speakers (which should not be happening).
>
> My .quisk_conf.py has the following enabled lines:
>
> from softrock import hardware_usb as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
>
> usb_vendor_id = 0x16c0
> usb_product_id = 0x05dc
> softrock_model = "RxTxEnsemble"
>
> key_poll_msec = 0
>
> sample_rate = 48000
>
> name_of_sound_capt = "hw:0,0"
> name_of_sound_play = name_of_sound_capt
>
> #Added Digital Loopback for fldigi
> digital_input_name = "hw:Loopback,0"
> digital_output_name = digital_input_name
>

```
> list of arecord and aplay:
>
> $ arecord -l
> **** List of CAPTURE Hardware Devices ****
> card 0: PCH [HDA Intel PCH], device 0: STAC92xx Analog [STAC92xx Analog]
> Subdevices: 2/2
> Subdevice #0: subdevice #0
> Subdevice #1: subdevice #1
> card 1: Loopback [Loopback], device 0: Loopback PCM [Loopback PCM]
> Subdevices: 8/8
> Subdevice #0: subdevice #0
> Subdevice #1: subdevice #1
> Subdevice #2: subdevice #2
> Subdevice #3: subdevice #3
> Subdevice #4: subdevice #4
> Subdevice #5: subdevice #5
> Subdevice #6: subdevice #6
> Subdevice #7: subdevice #7
> card 1: Loopback [Loopback], device 1: Loopback PCM [Loopback PCM]
> Subdevices: 8/8
> Subdevice #0: subdevice #0
> Subdevice #1: subdevice #1
> Subdevice #2: subdevice #2
> Subdevice #3: subdevice #3
> Subdevice #4: subdevice #4
> Subdevice #5: subdevice #5
> Subdevice #6: subdevice #6
> Subdevice #7: subdevice #7
>
> $ aplay -l
> **** List of PLAYBACK Hardware Devices ****
> card 0: PCH [HDA Intel PCH], device 0: STAC92xx Analog [STAC92xx Analog]
> Subdevices: 1/1
> Subdevice #0: subdevice #0
> card 0: PCH [HDA Intel PCH], device 1: STAC92xx Digital [STAC92xx Digital]
> Subdevices: 1/1
> Subdevice #0: subdevice #0
> card 0: PCH [HDA Intel PCH], device 3: HDMI 0 [HDMI 0]
> Subdevices: 1/1
> Subdevice #0: subdevice #0
> card 0: PCH [HDA Intel PCH], device 7: HDMI 1 [HDMI 1]
> Subdevices: 1/1
> Subdevice #0: subdevice #0
> card 0: PCH [HDA Intel PCH], device 8: HDMI 2 [HDMI 2]
> Subdevices: 1/1
> Subdevice #0: subdevice #0
> card 1: Loopback [Loopback], device 0: Loopback PCM [Loopback PCM]
> Subdevices: 8/8
> Subdevice #0: subdevice #0
> Subdevice #1: subdevice #1
```

> Subdevice #2: subdevice #2
> Subdevice #3: subdevice #3
> Subdevice #4: subdevice #4
> Subdevice #5: subdevice #5
> Subdevice #6: subdevice #6
> Subdevice #7: subdevice #7
> card 1: Loopback [Loopback], device 1: Loopback PCM [Loopback PCM]
> Subdevices: 8/8
> Subdevice #0: subdevice #0
> Subdevice #1: subdevice #1
> Subdevice #2: subdevice #2
> Subdevice #3: subdevice #3
> Subdevice #4: subdevice #4
> Subdevice #5: subdevice #5
> Subdevice #6: subdevice #6
> Subdevice #7: subdevice #7
>
> Any thoughts?
>
> Bobby G
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1050. Re: Quisk SDR on Linux Mint 14

Yahoo group: n2adr-sdr
Date: 2013-08-23 17:37:36 UTC
From: kk4huu
Topic: 1048 Message: 1050

Sid,

Thanks for the reply.

The digital_input_name and digital_output_name lines that specify the loopback in my .quisk_config.py should act like a virtual audio cable between quisk and fldigi. (There is some command line stuff outside of quisk needed to set up the loopback.)

My problem is between the RXTX and quisk, not quisk and fldigi.

Bobby G

--- In n2adr-sdr@yahoogroups.com, Sid Boyce <g3vbv@...> wrote:
>
> I haven't looked at running fldigi under quisk, I have only used fldigi
> standalone with 2 sound cards, the same as I used for AM/CW/SSB/FM.
>
> In the quisk documentation there is a description of what must be
> configured for digital modes.
> 73 ... Sid.
>
> On 22/08/13 01:44, kk4huu wrote:
> >
> > (Also posted on linuxhams group)
> >
> > I am trying to get my Softrock Ensemble RXTX working with Quisk
> > (compiled 3.6.12 for 64 bit) and Fldigi on Linux Mint 14, and I am not
> > having any luck.
> >
> > I can 'listen' to PSK31 QSOs with the RXTX talking to HDSDR and Fldigi
> > on Win7 on my dual-booted HP Envy 17 3270nr, so I know that at least
> > my RXTX is receiving. However, I cannot get anything useful on Mint,
> > which I prefer over Win7.
> >
> > The problem seems to be with the audio setup. All I am getting is
> > -90dB to -120dB of background noise showing up on Quisk and output
> > through the speakers (which should not be happening).
> >
> > My .quisk_conf.py has the following enabled lines:
> >

<lines omitted>

> >
> > #Added Digital Loopback for fldigi
> > digital_input_name = "hw:Loopback,0"
> > digital_output_name = digital_input_name

> >
> >
> > Any thoughts?
> >
> > Bobby G

>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

1051. Re: [n2adr-sdr] Re: Quisk SDR on Linux Mint 14

Yahoo group: n2adr-sdr
Date: 2013-08-23 23:16:17 UTC
From: Sid Boyce
Topic: 1048 Message: 1051

This is the ~/.quisk_conf.py that I used with the RXTX when I had a working one. You'll have to change the sound card designations - 2 needed for the RXTX.

```
---------------------------------------- CUT
------------------------------------------------------
# This is a sample quisk_conf.py configuration file for a SoftRock Rx/Tx Ensemble.

# Please do not change this sample file.
# Instead copy it to your own .quisk_conf.py and make changes there.
# See quisk_conf_defaults.py for more information.

# Attach your SoftRock Rx/Tx Ensemble to the line in and line out of a high quality
# sound card. Set name_of_sound_capt and name_of_mic_play to this card. You need
# a second (lower quality) sound card to play radio audio named name_of_sound_play.
# This is sufficient for CW. To transmit SSB, you need a capture sound card named
# microphone_name. The microphone_name and name_of_sound_play can be the same device.

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
name_of_sound_capt = "hw:2"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Vendor and product ID's for the SoftRock
usb_vendor_id = 0x16c0
usb_product_id = 0x05dc
softrock_model = "RxTxEnsemble"

# If you want to monitor the hardware key state, enter a poll time in milliseconds.
key_poll_msec = 0

sample_rate = 48000 # ADC hardware sample rate in Hertz
#name_of_sound_capt = "hw:0" # Name of soundcard capture hardware device.
```

```
name_of_sound_play = "hw:0" # Name of soundcard
playback hardware device.

# Microphone capture:
microphone_name = "hw:0" # Name of microphone
capture device
#name_of_mic_play = name_of_sound_capt # Name of play device if
CW or mic I/Q is sent to a sound card
name_of_mic_play = "hw:2"
mic_playback_rate = sample_rate # Playback rate must be a
multiple 1, 2, ... of mic_sample_rate
mic_out_volume = 1.0 # Transmit sound output
volume (after all processing) as a fraction 0.0 to 1.0
------------------------------------------------------ CUT
------------------------------------------------------
73 ... Sid.

On 23/08/13 18:37, kk4huu wrote:
>
> Sid,
>
> Thanks for the reply.
>
> The digital_input_name and digital_output_name lines that specify the
> loopback in my .quisk_config.py should act like a virtual audio cable
> between quisk and fldigi. (There is some command line stuff outside of
> quisk needed to set up the loopback.)
>
> My problem is between the RXTX and quisk, not quisk and fldigi.
>
> Bobby G
>
> --- In n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr%40yahoogroups.com>,
> Sid Boyce <g3vbv@...> wrote:
> >
> > I haven't looked at running fldigi under quisk, I have only used fldigi
> > standalone with 2 sound cards, the same as I used for AM/CW/SSB/FM.
> >
> > In the quisk documentation there is a description of what must be
> > configured for digital modes.
> > 73 ... Sid.
> >
> > On 22/08/13 01:44, kk4huu wrote:
> > >
> > > (Also posted on linuxhams group)
> > >
> > > I am trying to get my Softrock Ensemble RXTX working with Quisk
> > > (compiled 3.6.12 for 64 bit) and Fldigi on Linux Mint 14, and I am
> not
> > > having any luck.
> > >
```

> > > I can 'listen' to PSK31 QSOs with the RXTX talking to HDSDR and
> Fldigi
> > > on Win7 on my dual-booted HP Envy 17 3270nr, so I know that at least
> > > my RXTX is receiving. However, I cannot get anything useful on Mint,
> > > which I prefer over Win7.
> > >
> > > The problem seems to be with the audio setup. All I am getting is
> > > -90dB to -120dB of background noise showing up on Quisk and output
> > > through the speakers (which should not be happening).
> > >
> > > My .quisk_conf.py has the following enabled lines:
> > >
>
> <lines omitted>
>
> > >
> > > #Added Digital Loopback for fldigi
> > > digital_input_name = "hw:Loopback,0"
> > > digital_output_name = digital_input_name
> > >
> > >
> > > Any thoughts?
> > >
> > > Bobby G
>
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> >
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1052. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-27 08:54:27 UTC
From: Guenter DL7LA
Topic: 1041 Message: 1052

--- In n2adr-sdr@yahoogroups.com, "rolin791" <rolin791@...> wrote:
>
>
> Please click on the "Info" button for more information.
> IP 127.0.0.1
> Port 50
> Serial HIQSDR
>
> Program generally available.
> https://docs.google.com/file/d/0BzuiSb2tJSbzREZlT051T1Z5RGM/edit?usp=sharing
>
no success with SDR-C V.2.0. Could you bemore explicit on both the settings in both quisk.conf and SDR-C?

tnx

1053. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-28 06:22:19 UTC
From: rolin791
Topic: 1041 Message: 1053

> no success with SDR-C V.2.0. Could you bemore explicit on both the settings in both quisk.conf and SDR-C?
>
> tnx
>
IP adress of your HIQSDR must be as default 192.168.2.196
IP adress of your Ethernet card must be 192.168.2.xxx
Connect HIQSDR to LAN and run Protocol Translator
Select sample rate.
Run SDR-Console V2.0, click on the blue triangle and "Defination" and click "Add".
Select "RFspace:NetSDR and SDR-IP"
Enter Name - any word
Model - SDR-IP
Serial - HIQSDR
Address - 127.0.0.1
Port - 50
Click "OK" and "OK", select your radio, sample rate, and click "Start"

Good luck !

1054. Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-08-28 16:06:13 UTC
From: Guenter DL7LA
Topic: 1041 Message: 1054

Thanks for the hints; seems there was a problem with the firewall. It is working now at 50 kSps without interruptions in the audio. Nice stuff, thanks

Guenter/DL7LA

--- In n2adr-sdr@yahoogroups.com, "rolin791" <rolin791@...> wrote:
>
> > no success with SDR-C V.2.0. Could you bemore explicit on both the settings in both quisk.conf and SDR-C?
> >
> > tnx
> >
> IP adress of your HIQSDR must be as default 192.168.2.196
> IP adress of your Ethernet card must be 192.168.2.xxx
> Connect HIQSDR to LAN and run Protocol Translator
> Select sample rate.
> Run SDR-Console V2.0, click on the blue triangle and "Defination" and click "Add".
> Select "RFspace:NetSDR and SDR-IP"
> Enter Name - any word
> Model - SDR-IP
> Serial - HIQSDR
> Address - 127.0.0.1
> Port - 50
> Click "OK" and "OK", select your radio, sample rate, and click "Start"
>
> Good luck !
>

1055. RE: Re: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-09-10 18:33:33 UTC
From: <runeegil@...>
Topic: 1041 Message: 1055

HI Gents

I downloaded the software and at the first attempt i also had the bad sound when using 100 and 200 Khz.
Today when i connected it up again i am now able to receive in 200 Khz and sound is still ok :-)
Running XP>SDR-IP>HIQSDR>SDR Consol version 2.1 build 1494 (beta 32-bit)
When i connect it all work OK, but i can see that the preselector board is bypassed.
Would be nice if that one worked to :-)

73 Rune LA7THA

--- In n2adr-sdr@yahoogroups.com, <n2adr-sdr@yahoogroups.com> wrote:

Thanks for the hints; seems there was a problem with the firewall. It is working now at 50 kSps without interruptions in the audio. Nice stuff, thanks

Guenter/DL7LA

--- In n2adr-sdr@yahoogroups.com, "rolin791" <rolin791@...> wrote:
>
> > no success with SDR-C V.2.0. Could you bemore explicit on both the settings in both quisk.conf and SDR-C?
> >
> > tnx
> >
> IP adress of your HIQSDR must be as default 192.168.2.196
> IP adress of your Ethernet card must be 192.168.2.xxx
> Connect HIQSDR to LAN and run Protocol Translator
> Select sample rate.
> Run SDR-Console V2.0, click on the blue triangle and "Defination" and click "Add".
> Select "RFspace:NetSDR and SDR-IP"
> Enter Name - any word
> Model - SDR-IP
> Serial - HIQSDR
> Address - 127.0.0.1
> Port - 50
> Click "OK" and "OK", select your radio, sample rate, and click "Start"
>
> Good luck !
>

1056. Improvement of MMIC tx_level

Yahoo group: n2adr-sdr
Date: 2013-09-22 11:18:16 UTC
From: <fink-hubert@...>
Topic: 1056 Message: 1056

Hello HiQSDR user,
some days ago Helmut DB1CC take a look to the Quisk tx_level parameter and the hardware controll of the MMIC.
The value of the parameter tx_level (0 .. 254) for modulating the MMIC in quisk.conf was very low with the correct drive power to the 10 watts MPPA amplifier.
By changing the component values of R35 from 2K0 to 3K9 ohms and L10 from 15µH to 2.2µH tx_level is now in the middle of the parameters at approx: 128
The operating point of the MMIC shifts to a finer adjustment of the output power.

On some HiQSDR the already excellent IMD 3 can improve.
We have take some pictures before and after the modification was done on my HiQSDR board.
On my own HiQSDR the IMD 3 improved only marginally.

More information with pictures can be found on the wiki HiQSDR:
http://hiqsdr.com/hiqsdr-wiki/index.php?title=HiQSDR-Modifications

73 Hubert de DG7MGY

1057. Quisk Version 3.6.13 October 2013

Yahoo group: n2adr-sdr
Date: 2013-10-16 20:34:32 UTC
From: <jahlstr@...>
Topic: 1057 Message: 1057

I added VOX, voice operated relay. I improved the transmit audio speech processing. I added controls for the audio clip and preemphasis levels to the Tx Audio tab of the Config screen. Press the "Help" button to read the documentation on how to set your audio levels.

1058. RE: Quisk Version 3.6.13 October 2013

Yahoo group: n2adr-sdr
Date: 2013-10-21 09:38:19 UTC
From: <dh5ym@...>
Topic: 1057 Message: 1058

Hi Jim,

thank you very much for your continuing work on this great software.

Next weeks i will also start again to play with my Hiqsdr after it was in the cabinet for the whole summer ;)

regards
Mario

---In n2adr-sdr@yahoogroups.com, <n2adr-sdr@yahoogroups.com> wrote:

I added VOX, voice operated relay. I improved the transmit audio speech processing. I added controls for the audio clip and preemphasis levels to the Tx Audio tab of the Config screen. Press the "Help" button to read the documentation on how to set your audio levels.

1059. Quisk Version 3.6.14 November 2013

Yahoo group: n2adr-sdr
Date: 2013-11-11 16:59:48 UTC
From: <jahlstr@...>
Topic: 1059 Message: 1059

I restored audio to the "Tx Audio" screen. I increased the digital (DGT-U etc.) transmit bandwidth to 5 kHz. The Ys and Yz settings that control the waterfall colors are now saved for each band. Just adjust Ys and Yz on a band, and these settings are restored when you return to the band.

I improved the receive AGC to reduce distortion. The AGC button now has separate slider values for On and Off. Right click the AGC button to set the sliders. Push the "Help" button to read the description of the AGC.

I corrected some bugs related to dark color schemes, and added color_bg_txt to control the slider text on the main screen.

1060. My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-05 08:00:23 UTC
From: <dh5ym@...>
Topic: 1060 Message: 1060

This morning i made my first qso with the HiQSDR. Not a DX but a nice SSB with LZ2LP. I was running the MMPA with about 5W.
The rig is still open on the desk and i have to complete some stuff until it is ready.

I tried with my notebook that is connected via WLAN. Unfortunately i get some sample underflow via the network but the way of operation from the couch is rather nice ;)

I am not sure if my signal is really clean. In FDX mode my spectrum looks noisy somehow. I have to verify that and see what i set wrong.

regards
Mario

1061. RE: My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-05 08:42:26 UTC
From: <gvjury@...>
Topic: 1060 Message: 1061

Congratulations Mario,

Great job and I get the same problem with wifi. The transmission and reception is perfect with ethernet cable connection on both cw and ssb. I use a subnet mask of 255.255.252.0 so I can access the address of HiQSDR.

73 Graeme ZL2APV

1062. Re: [n2adr-sdr] My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-05 13:14:16 UTC
From: Sid Boyce
Topic: 1060 Message: 1062

Congrats Mario,
I have had had lots of fun with the MPPA, including SSB DX contacts with good reports.
58 from KW7Y in Washington State.
59 from LU8EEM
55 from K6YRA in Los Angeles
56-7 from ZL2JVM (7 minutes)
Also a couple of VK contacts and quite a few with the Caribbean and South America.
73 ... Sid.

On 05/12/13 08:00, dh5ym@... wrote:
> This morning i made my first qso with the HiQSDR. Not a DX but a nice
> SSB with LZ2LP. I was running the MMPA with about 5W.
> The rig is still open on the desk and i have to complete some stuff
> until it is ready.
>
> I tried with my notebook that is connected via WLAN. Unfortunately i
> get some sample underflow via the network but the way of operation
> from the couch is rather nice ;)
>
> I am not sure if my signal is really clean. In FDX mode my spectrum
> looks noisy somehow. I have to verify that and see what i set wrong.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1063. RE: My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 08:00:53 UTC
From: <fink-hubert@...>
Topic: 1060 Message: 1063

Hello Mario,
congratulations to your first QSO's with the HiQSDR.

It is enormous fun to use the HiQSDR over wifi outdoor on fine weather sitting in the garden. :-)

A Lot is going at HiQSDR:
- Herbert DG3MDE tests the HiQSDR on long wave and medium wave, build and calculate Filterboards

- Stefan DL2STG has something new to the firmware more Information from himself.

- Helmut DB1CC working on the 100W power amplifier, prototype is builded and at testing. A lot of work is to do with control and filterboard. Hope i got some pictures from Helmut to take it to the HiQSDR-Wiki.

- Myself have started yesterday with a friend to programming a ExtIO.dll to control the HiQSDR with Windows SDR Software. (I am not a software developer and normaly i use Linux so it can take some time...)

Mario here again thank you for your description of the frontend,
which is very helpful.

Also many thanks to Jim for the new Quisk.

By the way, everyone can share theirexperiences in HiQSDR Wiki if he wants to.
(Necessary to logged in as email confirmed user)

73 de DG7MGY Hubert

1064. Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 22:37:03 UTC
From: <gvjury@...>
Topic: 1064 Message: 1064

Hi All,

Hubert suggested that we could share our experiences with HiQSDR so here is what I have been doing and thinking about.

I have been working on building my own radio to give 25 W out in a single case with facilities to use it as an exciter for high power amplifier or barefoot at 25 W. My design is larely the same as the preamplifier but spread over 3 boards and the main changes are...
The interface to HiQSDR is via a level converter and I have put a copy of the circuit in .pdf format into the ZL2APV file folder.
The roofing filter has been designed to come down to 60 MHz as I had some interference from 70 MHz causing products on 10 M band. This filter is on a separate board together with the antenna changeover and exciter/external amp relays.
My band filters are mesh type and overlap for continuous filtering throughout 1.7 MHz to 30 MHz.
I do not have a filter for 50 MHz but rely on the roofing filter.
On Rx I have a 1.7 MHz Hi-pass filter in line while on 1.8 to 50 MHz and it switches out if I come below 1.79 MHz.
At present I am about to experiment with PIN diodes of the SMP1324-087LF series for antenna switching of the exciter which should remove a lot of timing problems particularly for driving the Linear Amplifier.
I have extensively used the VNA for filter testing and alignment and what a wonderful tool this is. I just love the job Steven did with his Qt VNA software and am waiting for Qt5.2 to arrive (3 days to go) and I want to get it to compile with that version and add the facility for Q measurement to it. At present I take 3 measurements and calculate it in a spreadsheet but integration would be useful.
Work is continuing on development of HiQSDR support for QtRadio and is being picked up by Michael DL2FW and I have agreed to assist him where needed.
I have used HiQSDR in a ZL CW contest and it was such an advantage with the spectrum display that I sort of felt guilty. I placed far better than my experience would suggest due to the Radio.
I would also like to hear from others how the radio is going for you, how you use it and what enhancements or modifications you have done.

73 Graeme ZL2APV

1065. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 23:23:42 UTC
From: Sid Boyce
Topic: 1064 Message: 1065

Interesting stuff Graeme.
I haven't check lately, the latest from Stefan's site I have is qvna-0.9.3.

I'll check as I have locally built Qt-5.2.0 and I use it to build QtRadio.
/usr/local/qt5/qtbase/bin/qmake -v
QMake version 3.0
Using Qt version 5.2.0 in /usr/local/qt5/qtbase/lib

Any developments, include me as I can test on openSUSE, ODROID-X and Pandaboard.
73 ... Sid.

On 08/12/13 22:37, gvjury@... wrote:
>
> Hi All,
>
> Hubert suggested that we could share our experiences with HiQSDR so
> here is what I have been doing and thinking about.
>
> I have been working on building my own radio to give 25 W out in a
> single case with facilities to use it as an exciter for high power
> amplifier or barefoot at 25 W. My design is larely the same as the
> preamplifier but spread over 3 boards and the main changes are...
> The interface to HiQSDR is via a level converter and I have put a copy
> of the circuit in .pdf format into the ZL2APV file folder.
> The roofing filter has been designed to come down to 60 MHz as I had
> some interference from 70 MHz causing products on 10 M band. This
> filter is on a separate board together with the antenna changeover and
> exciter/external amp relays.
> My band filters are mesh type and overlap for continuous filtering
> throughout 1.7 MHz to 30 MHz.
> I do not have a filter for 50 MHz but rely on the roofing filter.
> On Rx I have a 1.7 MHz Hi-pass filter in line while on 1.8 to 50 MHz
> and it switches out if I come below 1.79 MHz.
> At present I am about to experiment with PIN diodes of the
> SMP1324-087LF series for antenna switching of the exciter which should
> remove a lot of timing problems particularly for driving the Linear
> Amplifier.
> I have extensively used the VNA for filter testing and alignment and
> what a wonderful tool this is. I just love the job Steven did with his
> Qt VNA software and am waiting for Qt5.2 to arrive (3 days to go) and
> I want to get it to compile with that version and add the facility for
> Q measurement to it. At present I take 3 measurements and calculate it
> in a spreadsheet but integration would be useful.
> Work is continuing on development of HiQSDR support for QtRadio and is
> being picked up by Michael DL2FW and I have agreed to assist him where

> needed.
> I have used HiQSDR in a ZL CW contest and it was such an advantage
> with the spectrum display that I sort of felt guilty. I placed far
> better than my experience would suggest due to the Radio.
> I would also like to hear from others how the radio is going for you,
> how you use it and what enhancements or modifications you have done.
>
> 73 Graeme ZL2APV
>
>

--
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1066. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 23:28:17 UTC
From: Rob Frohne
Topic: 1064 Message: 1066

Great Graeme!

I have been itching to modify QtVNA to work with Hermes and you have
further encouraged me. There are too many school duties at least until
Christmas break though.

Back to writing exams!

73,

Rob
KL7NA
On 12/08/2013 02:37 PM, gvjury@... wrote:
>
> Hi All,
>
> Hubert suggested that we could share our experiences with HiQSDR so
> here is what I have been doing and thinking about.
>
> I have been working on building my own radio to give 25 W out in a
> single case with facilities to use it as an exciter for high power
> amplifier or barefoot at 25 W. My design is larely the same as the
> preamplifier but spread over 3 boards and the main changes are...
> The interface to HiQSDR is via a level converter and I have put a copy
> of the circuit in .pdf format into the ZL2APV file folder.
> The roofing filter has been designed to come down to 60 MHz as I had
> some interference from 70 MHz causing products on 10 M band. This
> filter is on a separate board together with the antenna changeover and
> exciter/external amp relays.
> My band filters are mesh type and overlap for continuous filtering
> throughout 1.7 MHz to 30 MHz.
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> On Rx I have a 1.7 MHz Hi-pass filter in line while on 1.8 to 50 MHz
> and it switches out if I come below 1.79 MHz.
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> SMP1324-087LF series for antenna switching of the exciter which should
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> what a wonderful tool this is. I just love the job Steven did with his
> Qt VNA software and am waiting for Qt5.2 to arrive (3 days to go) and
> I want to get it to compile with that version and add the facility for
> Q measurement to it. At present I take 3 measurements and calculate it
> in a spreadsheet but integration would be useful.
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> being picked up by Michael DL2FW and I have agreed to assist him where

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> with the spectrum display that I sort of felt guilty. I placed fa r
> better than my experience would suggest due to the Radio.
> I would also like to hear from others how the radio is going for you,
> how you use it and what enhancements or modifications you have done.
>
> 73 Graeme ZL2APV
>
>

--
Rob Frohne, PhD, PE
Professor
EF Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075

1067. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 23:52:21 UTC
From: <gvjury@...>
Topic: 1064 Message: 1067

Hi Rob,

I looked at Hermes and HiQSDR together when I was considering buying the basic radio and it was the VNA support that gave HiQSDR the edge for me. Even if Hermes gets VNA support I will still be satisfied with HiQSDR and happy with my choice. I know Sid sugested to the Hermes developers that they include VNA but I think they did not even respond to him.

I understand this time of the year's frenetic pace and I guess you will be head down for a while yet. Maybe when you surface I will at least have it compiling with Qt5.2 and I see Sid is already using the beta release and is using the latest version of Stefan's qvna.

73 Graeme ZL2APV

1068. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-08 23:59:24 UTC
From: <gvjury@...>
Topic: 1064 Message: 1068

Hi Sid,

I will certainly draw on your experience and I think you have tried the greatest number of platforms of anyone I know hee hee.

73 Graeme

1069. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-09 01:49:06 UTC
From: Sid Boyce
Topic: 1064 Message: 1069

When I suggested it Phil Harman took note and had a look at Stefan's code and came up with a Windows only version for Hermes within a few days. The FPGA code is in place, just no Linux software.

Right now in Linux only cuSDR does filter switching and I have been through the code a couple of times to see where and how it is done - no luck so far as multiple files are involved and nothing obviously suggests how they are knitted together. cuSDR64 works with my hardware as it does with the full ANAN-10/100 Apache-Labs transceivers.

Filter switching with the ANAN-10/100 works with hpsdr-server because it controls only the Hermes SPI bus on J15 whilst my eb104.ru BPF and PA/LPF boards use J16 open collector outputs. I haven't seen anyone using Hermes with openHPSDR Alex HPF/LPF boards which my hardware is emulating.
I know of one guy but he is not Linux savvy.
I wonder if the full ghpsdr3-alex version is available on Windows so I can ask him to try.

In PowerSDR a different tab, Filters is used for the ANAN-100 and ANAN Ctrl for my setup.
73 ... Sid.

On 08/12/13 23:52, gvjury@... wrote:
>
> Hi Rob,
>
>
> I looked at Hermes and HiQSDR together when I was considering buying
> the basic radio and it was the VNA support that gave HiQSDR the edge
> for me. Even if Hermes gets VNA support I will still be satisfied with
> HiQSDR and happy with my choice. I know Sid sugested to the Hermes
> developers that they include VNA but I think they did not even respond
> to him.
>
>
> I understand this time of the year's frenetic pace and I guess you
> will be head down for a while yet. Maybe when you surface I will at
> least have it compiling with Qt5.2 and I see Sid is already using the
> beta release and is using the latest version of Stefan's qvna.
>
>
> 73 Graeme ZL2APV
>
>

--
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1070. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-09 22:41:45 UTC
From: <gvjury@...>
Topic: 1064 Message: 1070

I had a go at compiing Stefan DL2STG qvna with versions of Qt5.x and it turned out to be straight forward. I think I have made changes which will be universal so it will compile with either Qt4.x or Qt5.x with no changes necessary but as I don't have a Qt4.x version I can't be sure and would like someone to test this for me please.

The changes are as follows ...

Edit the qvna.pro file so the first few lines look like this

```
TEMPLATE = app
CONFIG += qt \
debug_and_release
greaterThan(QT_MAJOR_VERSION, 4): QT += core \
gui \
widgets
QT += network \
svg
```

Edit the includes in maim.cpp to look like this

```
#include <qglobal.h>
#if QT_VERSION >= 0x050000
#include <QApplication>
#else
//#include <QtGui/QApplication>
#endif
#include "qvna.h"
```

Edit qvna.h includes to look like this

```
#ifndef QVNA_H
#define QVNA_H

#include <qglobal.h>
#if (QT_VERSION < 0x50000)
#include <QtGui>
#else
#include <QMainWindow>
#include <QColorDialog>
#include <QMessageBox>
#include <QFileDialog>
#endif

#include <QUdpSocket>
#include "config.h"
#include "hiqsdr_ctl.h"
#include "diag.h"
```

Edit diag.cpp includes to look like this

```
#include "diag.h"
#include "ui_diag.h"
#if QT_VERSION >= 0x050000
#include <QScrollBar>
#include <QFileDialog>
#endif
```

As you can see there is not much typing so best of luck.

73 Graeme ZL2APV

1071. CW via network ?

Yahoo group: n2adr-sdr
Date: 2013-12-14 20:23:34 UTC
From: <dh5ym@...>
Topic: 1071 Message: 1071

Hi,

i was wondering if there is already a way to do CW TX via network ?
What i want to do is use some kind of log with automated CQ calling / CW via keyboard and somehow get the HiQSDR transmitting.
At the moment i only see the possibility to connect a keyer circuit with PC connection to the HiQSDR key input and run cwdaemon on the PC. Somehow it would be nice to get rid of the external keyer and do all the CW stuff via the network interface.
Any ideas ?

regards
Mario

1072. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-12-18 15:41:48 UTC
From: <yann.minder@...>
Topic: 1041 Message: 1072

Hi, did you know if files stored here are secure ? I tried to get your ip translator and my company antivirus (mcafee viruscan enterprise) tells me this file contains a trojan code designated as "Artemis!27500C94C18D" and cancel the download.
Did someone already get this warning ?
Thanks

1073. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2013-12-19 07:25:48 UTC
From: <dh5ym@...>
Topic: 1041 Message: 1073

Hi,

i checked with clamav under linux with a current virus definition database and found no problems. I also have sometimes problems with wrong detections from the mcaffee scanner in the company.
Could anyone please check the file with another scanner than clamav or mcaffee ? I do not have a own windows system with that i could try. The file is located in the folder of rolin792 in the files section.

regards
Mario

1074. RE: CW via network ?

Yahoo group: n2adr-sdr
Date: 2013-12-19 07:38:53 UTC
From: <dh5ym@...>
Topic: 1071 Message: 1074

Hi all,

I briefly discussed with Stefan. It should already be possible to generate CW signals via network via the PTT mechanism. I dont know if thats accurate enough but assuming that it is accurate enough there would only be the need for a cwdaemon like interface server that generates the keying from the cwdaemon protocoll messages. In that case any log program that has a cwdaemon client could be used to do CW operation together with Quisk.
@Jim: Do you think thats a valid idea ?

regards
Mario

1075. RE: My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-22 18:13:43 UTC
From: <dh5ym@...>
Topic: 1060 Message: 1075

Hi all,

Today i tried a bit with FLDIGI and Quisk and made some PSK31 QSO on 20m and 40m. It appears that the output signal is rather good. I had to use my old laptop because the loopback alsa device was not working on my desktop PC somehow. I will need to install a fresh Linux distro to the desktop ;) With the laptop i needed to connect to the cable network directly because WLAN was causing frequent dropouts during TX. Maybe i would have been able to fix this by setting the buffer size a bit larger but i did not try that.

A Merry Christmas to all members of this group here !

regards
Mario

1076. RE: My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-22 19:53:03 UTC
From: <gvjury@...>
Topic: 1060 Message: 1076

Hi Mario,

I also get underflows on wireless lan and have not looked at buffer sizes or using less bandwidth. A good workaround for me is to connect the sdr with a reverse ethernet cable and use the wireless lan for my general internet connection. The disadvantage of course is that HiQSDR is only available to one computer.

A Merry Christmas to all.

73, Graeme ZL2APV

1077. RE: My first QSO with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-22 21:43:16 UTC
From: <dh5ym@...>
Topic: 1060 Message: 1077

Hi Graeme,

i tried with increased delay but without effect. Still get interrupts in the TX signal if working via the WLAN. If i connect to the switch were the HiQSDR is connected i do not have any problems. I assume the latency via WLAN is too big to maintain continuous signal. Most probably the latency parameter does not have any effect for TX but i am not sure.

regards
Mario, DH5YM

1078. Re: [n2adr-sdr] Experiments with HiQSDR

Yahoo group: n2adr-sdr
Date: 2013-12-31 03:39:09 UTC
From: Sid Boyce
Topic: 1064 Message: 1078

Thanks Graeme,
No problem building on openSUSE 13.1 x86_64 with Qt-5.1.2.

On the ODROID-X Ubuntu 13.10 ARM (qt-5.1.1) and Kubuntu 13.10 x86_64 (qt-5.1.2) I had to change main.cpp
#include <QApplication>
to
#include <QtWidgets/QApplication>
73 ... Sid.

On 09/12/13 22:41, gvjury@... wrote:
>
> I had a go at compiing Stefan DL2STG qvna with versions of Qt5.x and
> it turned out to be straight forward. I think I have made changes
> which will be universal so it will compile with either Qt4.x or Qt5.x
> with no changes necessary but as I don't have a Qt4.x version I can't
> be sure and would like someone to test this for me please.
>
> The changes are as follows ...
>
> Edit the qvna.pro file so the first few lines look like this
>
> TEMPLATE = app
> CONFIG += qt \
> debug_and_release
> greaterThan(QT_MAJOR_VERSION, 4): QT += core \
> gui \
> widgets
> QT += network \
> svg
>
> Edit the includes in maim.cpp to look like this
>
> #include <qglobal.h>
> #if QT_VERSION >= 0x050000
> #include <QApplication>
> #else
> //#include <QtGui/QApplication>
> #endif
> #include "qvna.h"
>
> Edit qvna.h includes to look like this
>
> #ifndef QVNA_H
> #define QVNA_H

>
> #include <qglobal.h>
> #if (QT_VERSION < 0x50000)
> #include <QtGui>
> #else
> #include <QMainWindow>
> #include <QColorDialog>
> #include <QMessageBox>
> #include <QFileDialog>
> #endif
>
> #include <QUdpSocket>
> #include "config.h"
> #include "hiqsdr_ctl.h"
> #include "diag.h"
>
> Edit diag.cpp includes to look like this
>
> #include "diag.h"
> #include "ui_diag.h"
> #if QT_VERSION >= 0x050000
> #include <QScrollBar>
> #include <QFileDialog>
> #endif
>
> As you can see there is not much typing so best of luck.
>
> 73 Graeme ZL2APV
>
>

--
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1079. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2014-01-07 12:02:58 UTC
From: <yann.minder@...>
Topic: 1041 Message: 1079

I downloaded the file against windows alerts and nothing bad happens.
Instead of chaos i can run sdr-radio.com with my now quite finished Hiqsdr.
Thanks a lot for your work.

Best Regards
Yann

1080. HiQSDR, Quisk, TLF and cwdaemon

Yahoo group: n2adr-sdr
Date: 2014-01-10 07:27:14 UTC
From: <dh5ym@...>
Topic: 1080 Message: 1080

I tried a bit with HiQSDR, Quisk, TLF and cwdaemon in CW mode which works quite well. I placed a screenshot here: http://dh5ym.hopto.org/wiki/?p=1088
Maybe i should write a howto page ?
The setup is almost ready for a CW contest. You only need to operate TLF and Quisk is controlled from TLF via the hamlib. If the cwdaemon would run on a small machine close to the TRX it would be no problem to operate a CW contest from the couch ;)
My setup just lacks a bit of outputpower. Only 10W from the MMPA.

regards
Mario

1081. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2014-01-19 16:45:44 UTC
From: <rolin791@...>
Topic: 1041 Message: 1081

Hello . I noticed a strong dc offset on waterfall SDR-Console. I maked litle programm for metering DC offset on the output of HiqSDR. Average_offset.exe , pls see in my folder. My HiqSDR has -530 DC offset and I think this is mistake in the FPGA software. Is not really offset in ADC.
What offset in yours ???

1082. Update: gr-hiqsdr

Yahoo group: n2adr-sdr
Date: 2014-01-19 18:07:10 UTC
From: <yaho1@...>
Topic: 1082 Message: 1082

Hi,

there is a new update for the gnuradio extension for HiQSDR:

Gnuradio 2.7.2.x supported filter taps for FPGA version sg7 now supported flow control for tx (no throttle needed) 2ToneTest script adapted

http://http://dl2stg.de/stefan/hiqsdr/gnuradio.html
http://http://dl2stg.de/stefan/hiqsdr/gnuradio.html

73
Stefan, DL2STG

1083. RE: Update: gr-hiqsdr

Yahoo group: n2adr-sdr
Date: 2014-01-19 18:09:52 UTC
From: <yaho1@...>
Topic: 1082 Message: 1083

The Yahoo-Webinterface is unusable, the corrent link is:

http://dl2stg.de/stefan/hiqsdr/gnuradio.html

1084. Setting low power on Quisk startup?

Yahoo group: n2adr-sdr
Date: 2014-01-19 20:52:14 UTC
From: <dr.diesel@...>
Topic: 1084 Message: 1084

I have a new AMP (Elecraft KXPA100) that requires an absolute max input power of 10watts. I'd like to find a way to limit the power on startup, so I don't accidentally forget to lower the power on my HiQSDR.

I see the tx_level parameter, but it seems to have no effect on setting the power level upon starting Quisk, any help or suggestions?

I have tried:

```
tx_level = {None:10} # Any number here has no effect
```

Or

```
tx_level = {None:10, '20':10} # Also no effect
```

Many thanks
Andy
wa9sdj

1085. RE: Setting low power on Quisk startup?

Yahoo group: n2adr-sdr
Date: 2014-01-19 21:30:48 UTC
From: <dr.diesel@...>
Topic: 1084 Message: 1085

Ok, I figured out that the tx_setting just rescales the Power sliders 0-100% reference! I have went through and set all bands to output 5 watts CW tone (as read from a Daiwa CN-801, which agrees with my Elecraft dummy load). I am surprised at the spread between bands, does this look normal to everyone else?

tx_level = {None:30,'160':31,'80':30,'60':30,'40':19,'30':17,'20':16,'17':12,'15':8,'12':14,'10':30,'6':120}

Even with 6-Meters at 120 I only get maybe 0.2 watts out?

Thanks for the help
Andy

1086. RE: Setting low power on Quisk startup?

Yahoo group: n2adr-sdr
Date: 2014-01-20 07:03:20 UTC
From: <dh5ym@...>
Topic: 1084 Message: 1086

Hi Andy,

yes, the tx_settings scales the output power slider. Thats maybe a bit unexpected but the aim is to scale the slider gives always the same output power regardless the band.

Your scaling settings are not very familar to me. Is it true that you use the HiQSDR preselector with a MMPA ? Did you apply the IMD3 modification as described for the frontend on the hiqsdr website ? (I ask because that has effect to the scaling settings).

Within my setup the behavior of output power over bands is completely reverse (low power at lower bands and high power on the upper bands). But i assembled all the stuff on my own and did some stupid mistake most probably ;)
According to the description on the HiQSDR page i would assume that you get a lot of power out on the upper bands except 6m. I would further assume that you use the preselector filters also for TX and there is some fault in the 6m filter that causes additional loss (maybe you will not notice some few dB of lost sensitivity during RX operation).

regards
Mario

1087. Pass raw samples out of Quisk ?

Yahoo group: n2adr-sdr
Date: 2014-01-20 08:09:29 UTC
From: <dh5ym@...>
Topic: 1087 Message: 1087

Hi,

thats mainly a question to Jim ;)
Is there a easy possibility to pass raw samples in IQ out of Quisk to the loopback soundcard if you run a HiQSDR ? At least if the frontend runs in 48/96/192kHz mode it should not be too difficult, right ? Would there be the option for such an experiment ? The aim would be to run for example CWSkimmer or SO2SDR in parallel.
I know thats a conflict to the digital mode functionality but maybe thats not a real issue if its configurable in the config file.

What do you think ?

regards
Mario

1088. RE: Setting low power on Quisk startup?

Yahoo group: n2adr-sdr
Date: 2014-01-20 12:28:30 UTC
From: <dr.diesel@...>
Topic: 1084 Message: 1088

Hi Mario,

Yes, I'm using the preselector and the MMPA, everything came pre assembled except for the filters, which are only used during receive correct? I am not sure and will confirm 6-meter filter assembly.

I have not yet done the IMD3 modification, I just saw that it was available yesterday, but I will get parts on order.

Thanks for the help
Andy

1089. IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-20 13:46:44 UTC
From: <dr.diesel@...>
Topic: 1089 Message: 1089

I see L10 was originally (from the HiQSDR_Parts_V24T_B.ods) a 15uh with a Q>30. New part is a 2.2uh and I'm assuming needs to have a Q>30, but I'm having trouble locating such a part without having to purchase 3000 units!

Can someone please confirm a Digikey part number for the correct L10 replacement?

1090. Re: [n2adr-sdr] IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-20 15:37:49 UTC
From: Sid Boyce
Topic: 1089 Message: 1090

On 20/01/14 13:46, dr.diesel@... wrote:
>
> I see L10 was originally (from the HiQSDR_Parts_V24T_B.ods) a 15uh
> with a Q>30. New part is a 2.2uh and I'm assuming needs to have a
> Q>30, but I'm having trouble locating such a part without having to
> purchase 3000 units!
>
>
> Can someone please confirm a Digikey part number for the correct L10
> replacement?
>
I am thinking of this part from Wurth Electronics if they'll supply a small quantity or even 4 free samples so I can have 3 to donate - they visited me at home last year and supplied free samples of some stuff including USB isolation transformers.
http://katalog.we-online.de/pbs/datasheet/744314330.pdf which is listed on their site

http://katalog.we-online.de/en/icref/search/IC-Referenzen/Linear%20Technology%20Inc.?m=n&sparam[model][eq]=3700&sp=http%3A%2F%2Fwww.we-online.com%2Fweb%2Fen%2Fwuerth_elektronik%2Fsearchpage.php%3Fsearch%3D2%2B2%2Buh

73 ... Sid.

--
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1091. RE: Pass raw samples out of Quisk ?

Yahoo group: n2adr-sdr
Date: 2014-01-22 17:34:57 UTC
From: <jahlstr@...>
Topic: 1087 Message: 1091

Hello Mario,

I think the mode DGT-IQ will do what you want. Set the output device to the loopback device.

If you want to listen to the regular radio sound, and send a copy of the I/Q to a different device, then I can write that feature for the next release. Please let me know.

Jim
N2ADR

1092. RE: Pass raw samples out of Quisk ?

Yahoo group: n2adr-sdr
Date: 2014-01-22 21:08:46 UTC
From: <dh5ym@...>
Topic: 1087 Message: 1092

Hi Jim,

i used the DGT-IQ mode to test CWskimmer with Quisk. Unfortunately in that case you cannot do normal operation anymore and the thing is limited to max. 20kHz. Sending the pure IQ data via the loopback device would be a cool thing. Then you can run serveral things in parallel or even a second instance of Quisk.

regards
Mario

1093. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2014-01-23 10:16:52 UTC
From: <yann.minder@...>
Topic: 1041 Message: 1093

Hallo, using your little program, i get no offset (0 is displayed). Using DL2STG hiqscope with raw data i get +20mv offset (+163 lsb on 8192). The fpga version is 1.3sg4.

1094. PowerSDR with HiQSDR

Yahoo group: n2adr-sdr
Date: 2014-01-23 11:20:45 UTC
From: dl2stg
Topic: 1041 Message: 1094

Hi,

i have programmed a little command line tool for windows: HpHiq

It is a HPSDR protocol emulator for HiQSDR and make the HiQSDR usable
with PowerSDR. It is easy to use, no options (except hiqsdr ip), no gui,
just start it.

http://dl2stg.de/stefan/hiqsdr/tools.html

73
Stefan, DL2STG

1095. RE: PowerSDR with HiQSDR

Yahoo group: n2adr-sdr
Date: 2014-01-23 17:08:38 UTC
From: <dl7la@...>
Topic: 1041 Message: 1095

Hello, Stefan,

nice work, thanks. Forwarded it to a (nonlis) Win user. Worked on firtst trial out of the box here, although I very much dislike the display section (too small, too slow).

73
Guenter DL7LA

1096. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2014-01-23 19:30:52 UTC
From: <rolin791@...>
Topic: 1041 Message: 1096

Thank you very much for information ! I used 1.3sg7 version and achieved less than 10mv offset in hiqscope and 0 in my programm. I'm happy.

1097. RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-26 17:51:53 UTC
From: <dr.diesel@...>
Topic: 1089 Message: 1097

Group,

I'm still searching for the correct part here, required Q, mA rating, shielded, wirewound or layered etc? I can find 2.2uH with a Q>30 but I have to purchase 3000, not available individually.

I tried emailing Helmut Goebkes directly with no response.

Thanks

1098. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-26 19:41:52 UTC
From: Sid Boyce
Topic: 1089 Message: 1098

I bought 2 of these but I have not yet got around to trying them - from rapidonline.com

88-1167
<http://www.rapidonline.com/Electronic-Components/Smd-Power-Inductor-2-2uH-2-04a-Cs43-88-1167>
Smd Power Inductor 2.2uH 2.04a Cs43 2 2416 Available ?0.2010 ?0.4000

73 ... Sid.

On 26/01/14 17:51, dr.diesel@... wrote:
>
> Group,
>
>
> I'm still searching for the correct part here, required Q, mA rating,
> shielded, wirewound or layered etc? I can find 2.2uH with a Q>30 but
> I have to purchase 3000, not available individually.
>
>
> I tried emailing Helmut Goebkes directly with no response.
>
>
> Thanks
>
>

--
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1099. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-27 08:30:39 UTC
From: HGoebkes
Topic: 1089 Message: 1099

Hi Sid, Hi Dr. Diesel,

SMD Inductors with Q>30 are availalable but hard to find. We used a SMD type from Siemens,
but we ordered a complete Spool of 4000pcs.
In package pize 1206, Q>30 is more easily availabe and can be solderd to the Solder joint on hiQsdr as well with a little more work.

But Q >30 is not an absolute must! Here we have no filter use just to keep off RF from DC.
Higher Q is better but "normal" SMD Inductors should do!
Most 0805 Inductors 2.2uH (2200nH) are around Q>20, they are also usable!

Sid: the inductors you ordered are power inductors for switching regulators, not really ideal for that purpose!

73!
Helmut, DB1CC

>

1100. Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-01-27 13:28:59 UTC
From: dl2stg
Topic: 1100 Message: 1100

New version is available at http://dl2stg.de/stefan/hiqsdr/qsdr.html

Changes:

* Support for Ettus B200 via USRP
* Frequencies up to 10 GHz supported
* Gnuradio 2.7.2

73
Stefan, DL2STG

1101. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-27 16:20:35 UTC
From: Sid Boyce
Topic: 1089 Message: 1101

Thanks Helmut,
Can you supply from your stock?
73 ... Sid.

On 27/01/14 08:30, HGoebkes wrote:
>
> Hi Sid, Hi Dr. Diesel,
> SMD Inductors with Q>30 are availalable but hard to find. We used a
> SMD type from Siemens,
> but we ordered a complete Spool of 4000pcs.
> In package pize 1206, Q>30 is more easily availabe and can be solderd
> to the
> Solder joint on hiQsdr as well with a little more work.
> But Q >30 is not an absolute must! Here we have no filter use just to
> keep off RF from DC.
> Higher Q is better but "normal" SMD Inductors should do!
> Most 0805 Inductors 2.2uH (2200nH) are around Q>20, they are also usable!
> Sid: the inductors you ordered are power inductors for switching
> regulators, not really ideal for that purpose!
> 73!
> Helmut, DB1CC
>

--
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1102. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-27 16:30:58 UTC
From: Sid Boyce
Topic: 1089 Message: 1102

I found these at RS Components.
RS Stock No. 785-5346
Brand Murata
<http://uk.rs-online.com/web/c/?searchTerm=Murata&searchType=Brand>
Mfr. Part No. LQW21HN2R2J00L

Specifications

Core Material Ferrite
Depth 1.2mm
Dimensions 2 x 1.2 x 0.9mm
Height 0.9mm
Inductance 2.2 ?H
Length 2mm
Maximum DC Current 75mA
Maximum DC Resistance 6.5?
Maximum Operating Temperature +85?C
Maximum Self Resonant Frequency 300MHz
Minimum Operating Temperature -40?C
Minimum Quality Factor 35
Package/Case 0805
Tolerance ?5%

73 ... Sid.

On 27/01/14 08:30, HGoebkes wrote:
>
> Hi Sid, Hi Dr. Diesel,
> SMD Inductors with Q>30 are availalable but hard to find. We used a
> SMD type from Siemens,
> but we ordered a complete Spool of 4000pcs.
> In package pize 1206, Q>30 is more easily availabe and can be solderd
> to the
> Solder joint on hiQsdr as well with a little more work.
> But Q >30 is not an absolute must! Here we have no filter use just to
> keep off RF from DC.
> Higher Q is better but "normal" SMD Inductors should do!
> Most 0805 Inductors 2.2uH (2200nH) are around Q>20, they are also usable!
> Sid: the inductors you ordered are power inductors for switching
> regulators, not really ideal for that purpose!
> 73!
> Helmut, DB1CC
>

--
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1103. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-29 08:53:23 UTC
From: <hgoebkes@...>
Topic: 1089 Message: 1103

Hi Sid,

Yes no Problem, we have them on reels.

The part you snet before is also ok, sounds like our SIMID one.

73!
Helmut, DB1CC

From: Sid Boyce
Sent: Monday, January 27, 2014 5:20 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Thanks Helmut,
Can you supply from your stock?
73 ... Sid.

On 27/01/14 08:30, HGoebkes wrote:

Hi Sid, Hi Dr. Diesel,

SMD Inductors with Q>30 are availalable but hard to find. We used a SMD type from Siemens, but we ordered a complete Spool of 4000pcs.
In package pize 1206, Q>30 is more easily availabe and can be solderd to the
Solder joint on hiQsdr as well with a little more work.

But Q >30 is not an absolute must! Here we have no filter use just to keep off RF from DC. Higher Q is better but "normal" SMD Inductors should do!
Most 0805 Inductors 2.2uH (2200nH) are around Q>20, they are also usable!

Sid: the inductors you ordered are power inductors for switching regulators, not really ideal for that purpose!

73!
Helmut, DB1CC

--
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1104. Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?

Yahoo group: n2adr-sdr
Date: 2014-01-29 13:38:32 UTC
From: Sid Boyce
Topic: 1089 Message: 1104

Thanks Helmut,
No problem, I shall order 10 from RS Components.
73 ... Sid.

On 29/01/14 08:53, hgoebkes@... wrote:
>
> Hi Sid,
> Yes no Problem, we have them on reels.
> The part you snet before is also ok, sounds like our SIMID one.
> 73!
> Helmut, DB1CC
>
> *From:* Sid Boyce <mailto:g3vbv@...>
> *Sent:* Monday, January 27, 2014 5:20 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] RE: IMD3 mod, correct Inductor?
>
> Thanks Helmut,
> Can you supply from your stock?
> 73 ... Sid.
>
> On 27/01/14 08:30, HGoebkes wrote:
>> Hi Sid, Hi Dr. Diesel,
>> SMD Inductors with Q>30 are availalable but hard to find. We used a
>> SMD type from Siemens,
>> but we ordered a complete Spool of 4000pcs.
>> In package pize 1206, Q>30 is more easily availabe and can be solderd
>> to the
>> Solder joint on hiQsdr as well with a little more work.
>> But Q >30 is not an absolute must! Here we have no filter use just to
>> keep off RF from DC.
>> Higher Q is better but "normal" SMD Inductors should do!
>> Most 0805 Inductors 2.2uH (2200nH) are around Q>20, they are also
>> usable!
>> Sid: the inductors you ordered are power inductors for switching
>> regulators, not really ideal for that purpose!
>> 73!
>> Helmut, DB1CC
>
>
> --
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1105. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-01-31 02:52:15 UTC
From: Sid Boyce
Topic: 1100 Message: 1105

```
Hi Stefan,
I get this error building the code and that file is nowhere on the box.
slipstream:/home/lancelot/ftp/JAN14/qsdr # make
make -f Makefile.Release
make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
Makefile.Release:344: warning: overriding commands for target
`.moc/moc_trx.cpp'
Makefile.Release:307: warning: ignoring old commands for target
`.moc/moc_trx.cpp'
g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
-DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
-DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
-I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
-I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
-Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
.obj_release/main.o main.cpp
In file included from trx.h:10:0,
from qsdrimpl.h:17,
from main.cpp:4:
gnuradio.h:64:25: fatal error: hiqsdr/sink.h: No such file or directory
#include <hiqsdr/sink.h>
^
compilation terminated.
make[1]: *** [.obj_release/main.o] Error 1
make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
make: *** [release] Error 2

If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
Makefile.Release:344: warning: overriding commands for target
`.moc/moc_trx.cpp'
Makefile.Release:307: warning: ignoring old commands for target
`.moc/moc_trx.cpp'
g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
-DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
-DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
-I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
-I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
-Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
.obj_release/main.o main.cpp
In file included from gnuradio.h:65:0,
from trx.h:10,
from qsdrimpl.h:17,
from main.cpp:4:
./gr-hiqsdr/gr_hiqsdr_sink.h:26:24: fatal error: hiqsdr_api.h: No such
```

```
file or directory
#include <hiqsdr_api.h>
^
compilation terminated.
make[1]: *** [.obj_release/main.o] Error 1
make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
make: *** [release] Error 2

slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
gr_hiqsdr_sink.cc gr_hiqsdr_sink.h gr_hiqsdr_source.cc
gr_hiqsdr_source.h hiqsdr_api.h
73 ... Sid.

On 27/01/14 13:28, dl2stg wrote:
> New version is available at http://dl2stg.de/stefan/hiqsdr/qsdr.html
>
> Changes:
>
> * Support for Ettus B200 via USRP
> * Frequencies up to 10 GHz supported
> * Gnuradio 2.7.2
>
>
> 73
> Stefan, DL2STG
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

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```

1106. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-01-31 08:08:21 UTC
From: dl2stg
Topic: 1100 Message: 1106

Hi Sid Boyce,

qsdr need the latest gr-hiqsdr version 0.2.0 and gnuradio 2.7.x. The
files in the hiqsdr directory are currently not used.

73
Stefan

Am 31.01.2014 03:52, schrieb Sid Boyce:
> Hi Stefan,
> I get this error building the code and that file is nowhere on the box.
> slipstream:/home/lancelot/ftp/JAN14/qsdr # make
> make -f Makefile.Release
> make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
> Makefile.Release:344: warning: overriding commands for target
> `.moc/moc_trx.cpp'
> Makefile.Release:307: warning: ignoring old commands for target
> `.moc/moc_trx.cpp'
> g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
> -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
> -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
> -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
> -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
> -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
> .obj_release/main.o main.cpp
> In file included from trx.h:10:0,
> from qsdrimpl.h:17,
> from main.cpp:4:
> gnuradio.h:64:25: fatal error: hiqsdr/sink.h: No such file or directory
> #include <hiqsdr/sink.h>
> ^
> compilation terminated.
> make[1]: *** [.obj_release/main.o] Error 1
> make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
> make: *** [release] Error 2
>
> If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
> make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
> Makefile.Release:344: warning: overriding commands for target
> `.moc/moc_trx.cpp'
> Makefile.Release:307: warning: ignoring old commands for target
> `.moc/moc_trx.cpp'
> g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
> -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
> -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
> -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include

> -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
> -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
> .obj_release/main.o main.cpp
> In file included from gnuradio.h:65:0,
> from trx.h:10,
> from qsdrimpl.h:17,
> from main.cpp:4:
> ./gr-hiqsdr/gr_hiqsdr_sink.h:26:24: fatal error: hiqsdr_api.h: No such
> file or directory
> #include <hiqsdr_api.h>
> ^
> compilation terminated.
> make[1]: *** [.obj_release/main.o] Error 1
> make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
> make: *** [release] Error 2
>
> slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
> gr_hiqsdr_sink.cc gr_hiqsdr_sink.h gr_hiqsdr_source.cc
> gr_hiqsdr_source.h hiqsdr_api.h
> 73 ... Sid.
>
> On 27/01/14 13:28, dl2stg wrote:
>> New version is available at http://dl2stg.de/stefan/hiqsdr/qsdr.html
>>
>> Changes:
>>
>> * Support for Ettus B200 via USRP
>> * Frequencies up to 10 GHz supported
>> * Gnuradio 2.7.2
>>
>>
>> 73
>> Stefan, DL2STG
>>
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
>>
>>
>>
>>
>
>

1107. RE: To SDR-IP protocol translator

Yahoo group: n2adr-sdr
Date: 2014-01-31 11:03:44 UTC
From: <rolin791@...>
Topic: 1041 Message: 1107

Hello, Stefan. Good work! This way need to evolve. I don't can set a custom control of preselector.It must be done. I can't switch on LNA. And I do not understand, why noise floor stend up if I set attenuator -20dB.

Thank you.

1108. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-01-31 13:00:27 UTC
From: Sid Boyce
Topic: 1100 Message: 1108

Thanks Stefan.
I downloaded gr-hiqsdr-0.2.0.tgz but forgot all about it and started
trying to build qsdr-1.1.0.
73 ... Sid.

On 31/01/14 08:08, dl2stg wrote:
>
> Hi Sid Boyce,
>
> qsdr need the latest gr-hiqsdr version 0.2.0 and gnuradio 2.7.x. The
> files in the hiqsdr directory are currently not used.
>
> 73
> Stefan
>
> Am 31.01.2014 03:52, schrieb Sid Boyce:
> > Hi Stefan,
> > I get this error building the code and that file is nowhere on the box.
> > slipstream:/home/lancelot/ftp/JAN14/qsdr # make
> > make -f Makefile.Release
> > make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
> > Makefile.Release:344: warning: overriding commands for target
> > `.moc/moc_trx.cpp'
> > Makefile.Release:307: warning: ignoring old commands for target
> > `.moc/moc_trx.cpp'
> > g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
> > -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
> > -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
> > -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
> > -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
> > -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
> > .obj_release/main.o main.cpp
> > In file included from trx.h:10:0,
> > from qsdrimpl.h:17,
> > from main.cpp:4:
> > gnuradio.h:64:25: fatal error: hiqsdr/sink.h: No such file or directory
> > #include <hiqsdr/sink.h>
> > ^
> > compilation terminated.
> > make[1]: *** [.obj_release/main.o] Error 1
> > make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
> > make: *** [release] Error 2
> >
> > If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
> > make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'

```
> > Makefile.Release:344: warning: overriding commands for target
> > `.moc/moc_trx.cpp'
> > Makefile.Release:307: warning: ignoring old commands for target
> > `.moc/moc_trx.cpp'
> > g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
> > -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
> > -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
> > -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
> > -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
> > -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
> > .obj_release/main.o main.cpp
> > In file included from gnuradio.h:65:0,
> > from trx.h:10,
> > from qsdrimpl.h:17,
> > from main.cpp:4:
> > ./gr-hiqsdr/gr_hiqsdr_sink.h:26:24: fatal error: hiqsdr_api.h: No such
> > file or directory
> > #include <hiqsdr_api.h>
> > ^
> > compilation terminated.
> > make[1]: *** [.obj_release/main.o] Error 1
> > make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
> > make: *** [release] Error 2
> >
> > slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
> > gr_hiqsdr_sink.cc gr_hiqsdr_sink.h gr_hiqsdr_source.cc
> > gr_hiqsdr_source.h hiqsdr_api.h
> > 73 ... Sid.
> >
> > On 27/01/14 13:28, dl2stg wrote:
> >> New version is available at http://dl2stg.de/stefan/hiqsdr/qsdr.html
> >>
> >> Changes:
> >>
> >> * Support for Ettus B200 via USRP
> >> * Frequencies up to 10 GHz supported
> >> * Gnuradio 2.7.2
> >>
> >>
> >> 73
> >> Stefan, DL2STG
> >>
> >>
> >> ------------------------------------
> >>
> >> Yahoo Groups Links
> >>
> >>
> >>
> >>
> >>
```

> >
> >
>
>

--
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1109. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-02-02 02:58:43 UTC
From: Sid Boyce
Topic: 1100 Message: 1109
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Stefan,
I got qsdr-1.1.0 up and running on openSUSE but I have run into the old problem with it going silent clicking on some parts of the GUI and once in a while crashing.

Lots of lost packets
```
-------------------------
24: lost packets 1
209: lost packets 1
11: lost packets 1
169: lost packets 1
qsdr: pcm.c:2730: snd_pcm_area_copy: Assertion `src < dst || src >= dst
+ bytes' failed.
Aborted
```

There was a mod to change the audio buffer size but I can't find it in my email stash.

one build error fixed with "protoc --cpp_out=. trx.proto", protobuf in openSUSE is at 2.5.0
```
=====================================================
trx.pb.h:17:2: error: #error This file was generated by an older version
of protoc which is
#error This file was generated by an older version of protoc which is
```

BTW I am using gnuradio-3.7.3~git and hamlib-3.0~git both hand patched with gnuradio_audio.diff and hamlib-1.2.15-qsdr.patch.
73 ... Sid.

On 31/01/14 13:00, Sid Boyce wrote:
> Thanks Stefan.
> I downloaded gr-hiqsdr-0.2.0.tgz but forgot all about it and started
> trying to build qsdr-1.1.0.
> 73 ... Sid.
>
> On 31/01/14 08:08, dl2stg wrote:
>>
>> Hi Sid Boyce,
>>
>> qsdr need the latest gr-hiqsdr version 0.2.0 and gnuradio 2.7.x. The
>> files in the hiqsdr directory are currently not used.
>>
>> 73
>> Stefan

```
>>
>> Am 31.01.2014 03:52, schrieb Sid Boyce:
>> > Hi Stefan,
>> > I get this error building the code and that file is nowhere on the box.
>> > slipstream:/home/lancelot/ftp/JAN14/qsdr # make
>> > make -f Makefile.Release
>> > make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
>> > Makefile.Release:344: warning: overriding commands for target
>> > `.moc/moc_trx.cpp'
>> > Makefile.Release:307: warning: ignoring old commands for target
>> > `.moc/moc_trx.cpp'
>> > g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
>> > -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
>> > -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
>> > -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
>> > -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
>> > -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
>> > .obj_release/main.o main.cpp
>> > In file included from trx.h:10:0,
>> > from qsdrimpl.h:17,
>> > from main.cpp:4:
>> > gnuradio.h:64:25: fatal error: hiqsdr/sink.h: No such file or directory
>> > #include <hiqsdr/sink.h>
>> > ^
>> > compilation terminated.
>> > make[1]: *** [.obj_release/main.o] Error 1
>> > make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
>> > make: *** [release] Error 2
>> >
>> > If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
>> > make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
>> > Makefile.Release:344: warning: overriding commands for target
>> > `.moc/moc_trx.cpp'
>> > Makefile.Release:307: warning: ignoring old commands for target
>> > `.moc/moc_trx.cpp'
>> > g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
>> > -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB -DQT_CORE_LIB
>> > -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I. -I/usr/include/QtCore
>> > -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
>> > -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
>> > -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
>> > .obj_release/main.o main.cpp
>> > In file included from gnuradio.h:65:0,
>> > from trx.h:10,
>> > from qsdrimpl.h:17,
>> > from main.cpp:4:
>> > ./gr-hiqsdr/gr_hiqsdr_sink.h:26:24: fatal error: hiqsdr_api.h: No such
>> > file or directory
>> > #include <hiqsdr_api.h>
>> > ^
```

>> > compilation terminated.
>> > make[1]: *** [.obj_release/main.o] Error 1
>> > make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
>> > make: *** [release] Error 2
>> >
>> > slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
>> > gr_hiqsdr_sink.cc gr_hiqsdr_sink.h gr_hiqsdr_source.cc
>> > gr_hiqsdr_source.h hiqsdr_api.h
>> > 73 ... Sid.
>> >
>> > On 27/01/14 13:28, dl2stg wrote:
>> >> New version is available at http://dl2stg.de/stefan/hiqsdr/qsdr.html
>> >>
>> >> Changes:
>> >>
>> >> * Support for Ettus B200 via USRP
>> >> * Frequencies up to 10 GHz supported
>> >> * Gnuradio 2.7.2
>> >>
>> >>
>> >> 73
>> >> Stefan, DL2STG
>> >>
>> >>
>> >> ------------------------------------
>> >>
>> >> Yahoo Groups Links
>> >>
>> >>
>> >>
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>> >>
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>> >
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>

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1110. digital adaptive predistortion

Yahoo group: n2adr-sdr
Date: 2014-02-03 13:44:24 UTC
From: dl2stg
Topic: 1110 Message: 1110
Attachments: 2 described; binary payloads are missing from this source WARC

Hi,

on the weekend I made some experiments with amplifier linearization using a method, called digital adaptive predistortion. For synchronizing RX and TX data, a small change of FPGA-Image is needed. Because of the already overcrowded Image, the signalprocessing is a software task. With the experimental gnuradio code, I'm be able to reduce IMD3 in my example from 43 dBc to 80 dBc. I think, it is a good result and a nice improvement for HiQSDR.

73
Stefan

1111. RE: digital adaptive predistortion

Yahoo group: n2adr-sdr
Date: 2014-02-03 14:39:11 UTC
From: <dh5ym@...>
Topic: 1110 Message: 1111

Hi Stefan,

sounds pretty cool. Are you doing that in fullduplex mode ?

regards
Mario

1112. Re: [n2adr-sdr] digital adaptive predistortion

Yahoo group: n2adr-sdr
Date: 2014-02-03 17:04:16 UTC
From: Sid Boyce
Topic: 1110 Message: 1112

Excellent Stefan,
It's also making all the noise on the opeHPSDR reflector.
73 ... Sid.

On 03/02/14 13:44, dl2stg wrote:
>
> Hi,
>
> on the weekend I made some experiments with amplifier linearization
> using a method, called digital adaptive predistortion. For synchronizing
> RX and TX data, a small change of FPGA-Image is needed. Because of the
> already overcrowded Image, the signalprocessing is a software task. With
> the experimental gnuradio code, I'm be able to reduce IMD3 in my example
> from 43 dBc to 80 dBc. I think, it is a good result and a nice
> improvement for HiQSDR.
>
> 73
> Stefan
>
>

--
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1113. rasdr

Yahoo group: n2adr-sdr
Date: 2014-02-03 17:25:09 UTC
From: Sid Boyce
Topic: 1113 Message: 1113

```
This is with openSUSE svn version 1.8.5, Kubuntu 13.10 uses version 1.7.9.
slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake -v
QMake version 2.01a
Using Qt version 4.8.5 in /usr/lib64
slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake
svn: E155036: The working copy at '/home/lancelot/ftp'
is too old (format 29) to work with client version '1.8.5 (r1542147)'
(expects format 31). You need to upgrade the working copy first.

svn: E155036: The working copy at '/home/lancelot/ftp'
is too old (format 29) to work with client version '1.8.5 (r1542147)'
(expects format 31). You need to upgrade the working copy first.

svn: E155036: The working copy at '/home/lancelot/ftp'
is too old (format 29) to work with client version '1.8.5 (r1542147)'
(expects format 31). You need to upgrade the working copy first.

The good news is that the binary built on Kubuntu 13.10 runs absolutely
solid on openSUSE with none of the problems with qsdr. BTW I still
haven't got qsdr to build on Kubuntu 13.10 - qt problem which I'll fight
with later.
# rasdr
RaSDR Version 1.2.0
rasdr SVN: Unversioned -Ddirectory
old settings version is to old ( 0 ), skip
Bus::open: Can not get ibus-daemon's address.
IBusInputContext::createInputContext: no connection to ibus-daemon

1: lost packets 1
ALSA lib pcm.c:7843:(snd_pcm_recover) underrun occurred
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
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```

1114. Re: [n2adr-sdr] rasdr

Yahoo group: n2adr-sdr
Date: 2014-02-03 20:08:25 UTC
From: Sid Boyce
Topic: 1113 Message: 1114
Attachments: 1 described; binary payloads are missing from this source WARC

rasdr has been up solidly for the last 2 1/2 hours.
73 ... Sid.

On 03/02/14 17:25, Sid Boyce wrote:
>
> This is with openSUSE svn version 1.8.5, Kubuntu 13.10 uses version 1.7.9.
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake -v
> QMake version 2.01a
> Using Qt version 4.8.5 in /usr/lib64
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> The good news is that the binary built on Kubuntu 13.10 runs absolutely
> solid on openSUSE with none of the problems with qsdr. BTW I still
> haven't got qsdr to build on Kubuntu 13.10 - qt problem which I'll fight
> with later.
> # rasdr
> RaSDR Version 1.2.0
> rasdr SVN: Unversioned -Ddirectory
> old settings version is to old (0), skip
> Bus::open: Can not get ibus-daemon's address.
> IBusInputContext::createInputContext: no connection to ibus-daemon
>
> 1: lost packets 1
> ALSA lib pcm.c:7843:(snd_pcm_recover) underrun occurred
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>

--
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Senior Staff Specialist, Cricket Coach
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1115. RE: [n2adr-sdr] rasdr

Yahoo group: n2adr-sdr
Date: 2014-02-03 20:17:17 UTC
From: MIKE DURKIN
Topic: 1113 Message: 1115

any Tx sid?

To: n2adr-sdr@yahoogroups.com
From: g3vbv@...
Date: Mon, 3 Feb 2014 20:08:25 +0000
Subject: Re: [n2adr-sdr] rasdr

rasdr has been up solidly for the last
2 1/2 hours.

73 ... Sid.

On 03/02/14 17:25, Sid Boyce wrote:

This is with openSUSE svn version 1.8.5, Kubuntu 13.10
uses version 1.7.9.

slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake -v

QMake version 2.01a

Using Qt version 4.8.5 in /usr/lib64

slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake

svn: E155036: The working copy at '/home/lancelot/ftp'

is too old (format 29) to work with client version '1.8.5
(r1542147)'

(expects format 31). You need to upgrade the working copy
first.

svn: E155036: The working copy at '/home/lancelot/ftp'

is too old (format 29) to work with client version '1.8.5
(r1542147)'

(expects format 31). You need to upgrade the working copy
first.

svn: E155036: The working copy at '/home/lancelot/ftp'

is too old (format 29) to work with client version '1.8.5
(r1542147)'

(expects format 31). You need to upgrade the working copy
first.

The good news is that the binary built on Kubuntu 13.10
runs absolutely

solid on openSUSE with none of the problems with qsdr. BTW
I still

haven't got qsdr to build on Kubuntu 13.10 - qt problem
which I'll fight

with later.

rasdr

RaSDR Version 1.2.0

rasdr SVN: Unversioned -Ddirectory

old settings version is to old (0), skip

Bus::open: Can not get ibus-daemon's address.

IBusInputContext::createInputContext: no connection to
ibus-daemon

1: lost packets 1

ALSA lib pcm.c:7843:(snd_pcm_recover) underrun occurred

73 ... Sid.

--

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1116. Re: [n2adr-sdr] rasdr

Yahoo group: n2adr-sdr
Date: 2014-02-03 20:56:31 UTC
From: Sid Boyce
Topic: 1113 Message: 1116

Hi Mike,
Unfortunately I can't fully test, but the TX button does work as PTT.

Sad story:- I did the ID3 mod and got no power out on TX.

When I checked L10 it was open circuit.
I replaced it with another of the same, still no TX but +3.8V is getting to the BGA616.
May be when the inductor failed it somehow took the BGA616 with it.

I am now trying to get a replacement BGA616. RS Components won't have any stock until 28th. so the alternatives, get 10 from China (they're very cheap) or take up an offer to get a couple shipped from Digikey to my contact Stateside and have them posted by him.

Direct from Digikey cost of 2 = ?2.60, shipment ?12.00 - the usual ripoff when anything is shipped via FEDEX or UPS.
73 ... Sid.

On 03/02/14 20:17, MIKE DURKIN wrote:
>
> any Tx sid?
>
> --
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Mon, 3 Feb 2014 20:08:25 +0000
> Subject: Re: [n2adr-sdr] rasdr
>
>
> rasdr has been up solidly for the last 2 1/2 hours.
> 73 ... Sid.
>
> On 03/02/14 17:25, Sid Boyce wrote:
>
> This is with openSUSE svn version 1.8.5, Kubuntu 13.10 uses
> version 1.7.9.
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake -v
> QMake version 2.01a
> Using Qt version 4.8.5 in /usr/lib64
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'

> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> The good news is that the binary built on Kubuntu 13.10 runs
> absolutely
> solid on openSUSE with none of the problems with qsdr. BTW I still
> haven't got qsdr to build on Kubuntu 13.10 - qt problem which I'll
> fight
> with later.
> # rasdr
> RaSDR Version 1.2.0
> rasdr SVN: Unversioned -Ddirectory
> old settings version is to old (0), skip
> Bus::open: Can not get ibus-daemon's address.
> IBusInputContext::createInputContext: no connection to ibus-daemon
>
> 1: lost packets 1
> ALSA lib pcm.c:7843:(snd_pcm_recover) underrun occurred
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>
>

--
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1117. Re: [n2adr-sdr] digital adaptive predistortion

Yahoo group: n2adr-sdr
Date: 2014-02-03 21:53:28 UTC
From: Rob Frohne
Topic: 1110 Message: 1117

This is really great Stefan! Good work!

73,

Rob
KL7NA
On 02/03/2014 05:44 AM, dl2stg wrote:
>
> Hi,
>
> on the weekend I made some experiments with amplifier linearization
> using a method, called digital adaptive predistortion. For synchronizing
> RX and TX data, a small change of FPGA-Image is needed. Because of the
> already overcrowded Image, the signalprocessing is a software task. With
> the experimental gnuradio code, I'm be able to reduce IMD3 in my example
> from 43 dBc to 80 dBc. I think, it is a good result and a nice
> improvement for HiQSDR.
>
> 73
> Stefan
>
>

--
Rob Frohne, PhD, PE
Professor
EF Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075

1118. L10 replacement

Yahoo group: n2adr-sdr
Date: 2014-02-04 20:17:36 UTC
From: Sid Boyce
Topic: 1118 Message: 1118

Hi Helmut,
I got the 2.2uH chokes from RS Components, they are smaller and rated at 75mA which should be OK for 50mW output.

The first one I used may have been faulty and blew.
The second one is still intact but it looks like the BGA616 took a hit as there is no RF output.

73 ... Sid.

--
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1119. Re: [n2adr-sdr] L10 replacement

Yahoo group: n2adr-sdr
Date: 2014-02-08 23:56:54 UTC
From: Sid Boyce
Topic: 1118 Message: 1119

BGA616 replaced and IMD3 mod done.
Problem fixed.
73 ... Sid.

On 04/02/14 20:17, Sid Boyce wrote:
>
> Hi Helmut,
> I got the 2.2uH chokes from RS Components, they are smaller and rated at
> 75mA which should be OK for 50mW output.
>
> The first one I used may have been faulty and blew.
> The second one is still intact but it looks like the BGA616 took a hit
> as there is no RF output.
>
> 73 ... Sid.
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1120. Re: [n2adr-sdr] Update: QSDR V1.1.0 [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2014-02-09 10:25:13 UTC
From: Sid Boyce
Topic: 1120 Message: 1120

qsdr-1.1.0 is running perfectly on ARM with none of the hangs or sound
interruptions I experience on x86_64.

I had to make the following changes for the ODROID-X running Ubuntu
13.10 ARM, substituting QtMultimediaKit for for QtMultimedia.

qsdr.pro

LIBS+=-lQtMultimediaKit

Makefile.Debug and Makefile.Release

LIBS=-lQtMultimediaKit

settings.cpp

#include <QtMultimediaKit/QAudioOutput>
#include <QtMultimediaKit/QAudioInput>

qsdrimpl.h

#include <QtMultimediaKit/QAudioOutput>
#include <QtMultimediaKit/QAudioInput>

root@odroid:/1/qsdr# qmake -v
QMake version 2.01a
Using Qt version 4.8.4 in /usr/lib/arm-linux-gnueabihf
73 ... Sid.

On 03/02/14 09:13, Stefan Goerg wrote:
> Hi Sid,
>
> crazy, the pcm.c file is not a part of qsdr. Do you use audio output
> from gnuradio or from the gui via QtMultimedia? On the qsdr page i put
> a image for explanation the audio paths.
>
> 73
> Stefan
>
> Am 02.02.2014 03:58, schrieb Sid Boyce:
>>
>>
>> Hi Stefan,
>> I got qsdr-1.1.0 up and running on openSUSE but I have run into the old
>> problem with it going silent clicking on some parts of the GUI and once
>> in a while crashing.
>>

>> Lots of lost packets
>> ------------------------
>> 24: lost packets 1
>> 209: lost packets 1
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>> qsdr: pcm.c:2730: snd_pcm_area_copy: Assertion `src < dst || src >= dst
>> + bytes' failed.
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>> There was a mod to change the audio buffer size but I can't find it in
>> my email stash.
>>
>> one build error fixed with "protoc --cpp_out=. trx.proto", protobuf in
>> openSUSE is at 2.5.0
>> ==
>> trx.pb.h:17:2: error: #error This file was generated by an older version
>> of protoc which is
>> #error This file was generated by an older version of protoc which is
>>
>> BTW I am using gnuradio-3.7.3~git and hamlib-3.0~git both hand patched
>> with gnuradio_audio.diff and hamlib-1.2.15-qsdr.patch.
>> 73 ... Sid.
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>> On 31/01/14 13:00, Sid Boyce wrote:
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>>> Thanks Stefan.
>>> I downloaded gr-hiqsdr-0.2.0.tgz but forgot all about it and started
>>> trying to build qsdr-1.1.0.
>>> 73 ... Sid.
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>>> On 31/01/14 08:08, dl2stg wrote:
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>>>> Hi Sid Boyce,
>>>>
>>>> qsdr need the latest gr-hiqsdr version 0.2.0 and gnuradio 2.7.x. The
>>>> files in the hiqsdr directory are currently not used.
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>>>> 73
>>>> Stefan
>>>>
>>>> Am 31.01.2014 03:52, schrieb Sid Boyce:
>>>> > Hi Stefan,
>>>> > I get this error building the code and that file is nowhere on
>>>> the box.
>>>> > slipstream:/home/lancelot/ftp/JAN14/qsdr # make
>>>> > make -f Makefile.Release
>>>> > make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
>>>> > Makefile.Release:344: warning: overriding commands for target
>>>> > `.moc/moc_trx.cpp'

```
>>>> > Makefile.Release:307: warning: ignoring old commands for target
>>>> > `.moc/moc_trx.cpp'
>>>> > g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
>>>> > -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB
>>>> -DQT_CORE_LIB
>>>> > -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I.
>>>> -I/usr/include/QtCore
>>>> > -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
>>>> > -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc -Igr
>>>> > -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
>>>> > .obj_release/main.o main.cpp
>>>> > In file included from trx.h:10:0,
>>>> > from qsdrimpl.h:17,
>>>> > from main.cpp:4:
>>>> > gnuradio.h:64:25: fatal error: hiqsdr/sink.h: No such file or
>>>> directory
>>>> > #include <hiqsdr/sink.h>
>>>> > ^
>>>> > compilation terminated.
>>>> > make[1]: *** [.obj_release/main.o] Error 1
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>>>> > make: *** [release] Error 2
>>>> >
>>>> > If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
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>>>> > slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
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>>>> >> Changes:
>>>> >>
>>>> >> * Support for Ettus B200 via USRP
>>>> >> * Frequencies up to 10 GHz supported
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>>>> >> 73
>>>> >> Stefan, DL2STG
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>>>> >> Yahoo Groups Links
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1121. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-02-09 21:08:45 UTC
From: dl2stg
Topic: 1120 Message: 1121

Hi Sid,

nice. Possibly there is a problem with the sounddriver or card on your
x86 system.

On 02/09/14 11:25, Sid Boyce wrote:
> qsdr-1.1.0 is running perfectly on ARM with none of the hangs or sound
> interruptions I experience on x86_64.
>
> I had to make the following changes for the ODROID-X running Ubuntu
> 13.10 ARM, substituting QtMultimediaKit for for QtMultimedia.
>
> qsdr.pro
> ---------
> LIBS+=-lQtMultimediaKit
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> Makefile.Debug and Makefile.Release
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> LIBS=-lQtMultimediaKit
>
> settings.cpp
> --------------
> #include <QtMultimediaKit/QAudioOutput>
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> #include <QtMultimediaKit/QAudioOutput>
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> root@odroid:/1/qsdr# qmake -v
> QMake version 2.01a
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> On 03/02/14 09:13, Stefan Goerg wrote:
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>> crazy, the pcm.c file is not a part of qsdr. Do you use audio output
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>> a image for explanation the audio paths.
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>> Am 02.02.2014 03:58, schrieb Sid Boyce:
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>>> Hi Stefan,
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>>> problem with it going silent clicking on some parts of the GUI and once
>>> in a while crashing.
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>>> #error This file was generated by an older version of protoc which is
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>>> BTW I am using gnuradio-3.7.3~git and hamlib-3.0~git both hand patched
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>>>>> files in the hiqsdr directory are currently not used.
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>

1122. digital adaptive predistortion code

Yahoo group: n2adr-sdr
Date: 2014-02-09 21:19:24 UTC
From: dl2stg
Topic: 1110 Message: 1122

Hi,

i have put the preliminary gnuradio code for the adaptive predistortion
on my page:

http://dl2stg.de/stefan/hiqsdr/gnuradio.html

You need a new firmware (fpga version sg8). The IMD3 improvement is now
up to 50 dB in some generic test cases after a minute training.

73
Stefan

On 02/03/14 14:44, dl2stg wrote:
> Hi,
>
> on the weekend I made some experiments with amplifier linearization
> using a method, called digital adaptive predistortion. For synchronizing
> RX and TX data, a small change of FPGA-Image is needed. Because of the
> already overcrowded Image, the signalprocessing is a software task. With
> the experimental gnuradio code, I'm be able to reduce IMD3 in my example
> from 43 dBc to 80 dBc. I think, it is a good result and a nice
> improvement for HiQSDR.
>
>
> 73
> Stefan
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

1123. Re: [n2adr-sdr] Update: QSDR V1.1.0

Yahoo group: n2adr-sdr
Date: 2014-02-09 22:28:05 UTC
From: Sid Boyce
Topic: 1120 Message: 1123

```
Hi Stefan,
Possible though I have no problems with any other application -
ghpsdr3-alex, quisk (RX/TX), rasdr (RX/TX) all are solid on openSUSE.

I'll start building on Kubuntu 13.10 x86_64 later.
73 ... Sid.

On 09/02/14 21:08, dl2stg wrote:
>
> Hi Sid,
>
> nice. Possibly there is a problem with the sounddriver or card on your
> x86 system.
>
> On 02/09/14 11:25, Sid Boyce wrote:
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> > #include <QtMultimediaKit/QAudioOutput>
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> >>>>>> -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
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> >>>>>>
> >>>>>> If I replace it with #include <gr-hiqsdr/gr_hiqsdr_sink.h>
> >>>>>> make[1]: Entering directory `/home/lancelot/ftp/JAN14/qsdr'
> >>>>>> Makefile.Release:344: warning: overriding commands for target
> >>>>>> `.moc/moc_trx.cpp'
> >>>>>> Makefile.Release:307: warning: ignoring old commands for target

```
> >>>>>> `.moc/moc_trx.cpp'
> >>>>>> g++ -c -pipe -Wall -Wno-unused-parameter -O2 -D_REENTRANT -Wall -W
> >>>>>> -DQT_WEBKIT -DQT_NO_DEBUG -DQT_GUI_LIB -DQT_NETWORK_LIB
> >>>>> -DQT_CORE_LIB
> >>>>>> -DQT_SHARED -I/usr/share/qt4/mkspecs/default -I.
> >>>>> -I/usr/include/QtCore
> >>>>>> -I/usr/include/QtNetwork -I/usr/include/QtGui -I/usr/include
> >>>>>> -I/usr/local/include/hiqsdr -Irx -Irxsink -Itx -Itrxdev -Itxsrc
> -Igr
> >>>>>> -Igr_rds -Ig7xx -Icrypt -I/usr/include/libxml2 -I.moc -I.ui -o
> >>>>>> .obj_release/main.o main.cpp
> >>>>>> In file included from gnuradio.h:65:0,
> >>>>>> from trx.h:10,
> >>>>>> from qsdrimpl.h:17,
> >>>>>> from main.cpp:4:
> >>>>>> ./gr-hiqsdr/gr_hiqsdr_sink.h:26:24: fatal error: hiqsdr_api.h: No
> >>>>> such
> >>>>>> file or directory
> >>>>>> #include <hiqsdr_api.h>
> >>>>>> ^
> >>>>>> compilation terminated.
> >>>>>> make[1]: *** [.obj_release/main.o] Error 1
> >>>>>> make[1]: Leaving directory `/home/lancelot/ftp/JAN14/qsdr'
> >>>>>> make: *** [release] Error 2
> >>>>>>
> >>>>>> slipstream:/home/lancelot/ftp/JAN14/qsdr # ls gr-hiqsdr/
> >>>>>> gr_hiqsdr_sink.cc gr_hiqsdr_sink.h gr_hiqsdr_source.cc
> >>>>>> gr_hiqsdr_source.h hiqsdr_api.h
> >>>>>> 73 ... Sid.
> >>>>>>
> >>>>>> On 27/01/14 13:28, dl2stg wrote:
> >>>>>>> New version is available at
> >>>>> http://dl2stg.de/stefan/hiqsdr/qsdr.html
> >>>>>>>
> >>>>>>> Changes:
> >>>>>>>
> >>>>>>> * Support for Ettus B200 via USRP
> >>>>>>> * Frequencies up to 10 GHz supported
> >>>>>>> * Gnuradio 2.7.2
> >>>>>>>
> >>>>>>>
> >>>>>>> 73
> >>>>>>> Stefan, DL2STG
> >>>>>>>
> >>>>>>>
> >>>>>>> ------------------------------------
> >>>>>>>
> >>>>>>> Yahoo Groups Links
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> >>>>
> >>>> --
> >>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> >>>> Senior Staff Specialist, Cricket Coach
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1124. Re: [n2adr-sdr] rasdr

Yahoo group: n2adr-sdr
Date: 2014-02-09 22:32:11 UTC
From: Sid Boyce
Topic: 1113 Message: 1124

Hi Mike,
TX is fine on ODROID-X with the HiQSDR - quisk, rasdr and qsdr.
73 ... Sid.

On 03/02/14 20:17, MIKE DURKIN wrote:
>
> any Tx sid?
>
> --
> To: n2adr-sdr@yahoogroups.com
> From: g3vbv@...
> Date: Mon, 3 Feb 2014 20:08:25 +0000
> Subject: Re: [n2adr-sdr] rasdr
>
>
> rasdr has been up solidly for the last 2 1/2 hours.
> 73 ... Sid.
>
> On 03/02/14 17:25, Sid Boyce wrote:
>
> This is with openSUSE svn version 1.8.5, Kubuntu 13.10 uses
> version 1.7.9.
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake -v
> QMake version 2.01a
> Using Qt version 4.8.5 in /usr/lib64
> slipstream:/home/lancelot/ftp/JAN14/rasdr # qmake
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> svn: E155036: The working copy at '/home/lancelot/ftp'
> is too old (format 29) to work with client version '1.8.5 (r1542147)'
> (expects format 31). You need to upgrade the working copy first.
>
> The good news is that the binary built on Kubuntu 13.10 runs
> absolutely
> solid on openSUSE with none of the problems with qsdr. BTW I still
> haven't got qsdr to build on Kubuntu 13.10 - qt problem which I'll
> fight
> with later.
> # rasdr

> RaSDR Version 1.2.0
> rasdr SVN: Unversioned -Ddirectory
> old settings version is to old (0), skip
> Bus::open: Can not get ibus-daemon's address.
> IBusInputContext::createInputContext: no connection to ibus-daemon
>
> 1: lost packets 1
> ALSA lib pcm.c:7843:(snd_pcm_recover) underrun occurred
> 73 ... Sid.
>
> --
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> --
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>

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1125. Re: [n2adr-sdr] digital adaptive predistortion code

Yahoo group: n2adr-sdr
Date: 2014-02-10 01:22:19 UTC
From: Sid Boyce
Topic: 1110 Message: 1125

All up and running on the ODROID-X.
I had to rebuild qsdr to use gr-hiqsdr-0.3.0.

One question that springs to mind from reading the openHPSDR reflector -
They are using an RF Sampler with a 100W PA and I wonder how we can
accommodate adaptive predistortion at higher power with HiQSDR.
73 ... Sid.

On 09/02/14 21:19, dl2stg wrote:
> Hi,
>
> i have put the preliminary gnuradio code for the adaptive predistortion
> on my page:
>
> http://dl2stg.de/stefan/hiqsdr/gnuradio.html
>
> You need a new firmware (fpga version sg8). The IMD3 improvement is now
> up to 50 dB in some generic test cases after a minute training.
>
> 73
> Stefan
>
>
> On 02/03/14 14:44, dl2stg wrote:
>> Hi,
>>
>> on the weekend I made some experiments with amplifier linearization
>> using a method, called digital adaptive predistortion. For synchronizing
>> RX and TX data, a small change of FPGA-Image is needed. Because of the
>> already overcrowded Image, the signalprocessing is a software task. With
>> the experimental gnuradio code, I'm be able to reduce IMD3 in my example
>> from 43 dBc to 80 dBc. I think, it is a good result and a nice
>> improvement for HiQSDR.
>>
>>
>> 73
>> Stefan
>>
>>
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>> Yahoo Groups Links
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1126. Re: [n2adr-sdr] digital adaptive predistortion code

Yahoo group: n2adr-sdr
Date: 2014-02-10 07:27:34 UTC
From: <dh5ym@...>
Topic: 1110 Message: 1126

Hi Sid,

i could imagine that its possible to use the 2nd input of the frontend for that purpose. Switching the RX path to the 2nd input and connect this to the forward path of a directional coupler after the PA together with some attenuation probably...

regards
Mario, DH5YM

1127. Re: [n2adr-sdr] digital adaptive predistortion code

Yahoo group: n2adr-sdr
Date: 2014-02-10 16:42:27 UTC
From: Sid Boyce
Topic: 1110 Message: 1127

Thanks Mario,
Deserves a closer look at how to switch from BU1 to BU2 on TX.
73 ... Sid.

On 10/02/14 07:27, dh5ym@... wrote:
>
> Hi Sid,
>
> i could imagine that its possible to use the 2nd input of the frontend
> for that purpose. Switching the RX path to the 2nd input and connect
> this to the forward path of a directional coupler after the PA
> together with some attenuation probably...
>
> regards
> Mario, DH5YM
>
>

--
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1128. RE: Pass raw samples out of Quisk ?

Yahoo group: n2adr-sdr
Date: 2014-02-17 15:09:08 UTC
From: <jahlstr@...>
Topic: 1087 Message: 1128

Hi Mario,

The next distribution will have a config file option sample_playback_name that you can set to the name of a loop-back or Virtual Audio Cable sound device. Quisk then writes the samples to that device, and you can read them back with another program. This is addition to Quisk's normal processing. The new distribution will be out in the beginning of March.

Jim
N2ADR

1129. RE: Pass raw samples out of Quisk ?

Yahoo group: n2adr-sdr
Date: 2014-02-19 08:23:35 UTC
From: <dh5ym@...>
Topic: 1087 Message: 1129

Hi Jim,
thats really great news. I will be happy to test it when you have released it.
regards
Mario

1130. Re: [n2adr-sdr] digital adaptive predistortion code

Yahoo group: n2adr-sdr
Date: 2014-02-19 08:26:48 UTC
From: <dh5ym@...>
Topic: 1110 Message: 1130

Question to Stefan:
which version of Gnuradio are you actually using ? I tried the one supplied with Ubuntu 13.10 and i got errors that some parts are missing and then i tried compiling from the source but at about 74% it stopped due to some errors indicating that there is something wrong with portaudio.
Do you have some ideas ?

regards
Mario

1131. Quisk Version 3.6.16

Yahoo group: n2adr-sdr
Date: 2014-02-20 13:58:30 UTC
From: <jahlstr@...>
Topic: 1131 Message: 1131

Thanks to Arnaud, F6BZG, the latest Quisk version 3.6.16 now supports SoftRock CW keying using the USB port. I am rushing this version out so others can use this feature. But today I am leaving on a ski trip, so I won't be here to fix any problems. Please test the latest version, and if there are any problems, the previous version 3.6.14 is still on my web page.

Quisk Version 3.6.16 March 2014

I re-wrote the CW transmit logic for SoftRock transmitters. It now implements semi break-in CW operation. The config file options are key_poll_msec and key_hang_time.

I added the config file option sample_playback_name to play the raw samples to a loopback or VAC device. You can access the raw samples by reading them back with another program. See quisk_conf_defaults.py. The sample rate is the same as the hardware sample rate.

1132. RE: Quisk Version 3.6.16

Yahoo group: n2adr-sdr
Date: 2014-02-21 16:02:33 UTC
From: <dh5ym@...>
Topic: 1131 Message: 1132

Hi,
yesterday and today i tried a bit the sample_playback and it works great. I used it together with CWSkimmer. Hopefully i find some time to document the steps over the weekend. I could also imagine that it makes sense to use it to share a remote station as a websdr in parallel to normal operation with Quisk.
regards
Mario

1133. Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 01:50:08 UTC
From: <gvjury@...>
Topic: 1133 Message: 1133

I am using
gvj@gj-dt:$ uname -a
Linux gj-dt 3.8.0-37-generic #53~precise1-Ubuntu SMP Wed Feb 19 21:37:54 UTC 2014 x86_64 x86_64 x86_64 GNU/Linux

I have just had a cheap programmer purchased from aliexpress arrive this morning so I modified the cable and gave it a try. When i list my programmer it shows as "USB-Blaster variant [1-10]" so I expect to be able to run using this name with quartus_pgm. I am using the quartus_pgm shell script inthe qprogrammer/bin directory.

```
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -l
Info: *******************************************************************
Info: Running Quartus II 32-bit Programmer
Info: Version 13.1.0 Build 162 10/23/2013 SJ Full Version
Info: Copyright (C) 1991-2013 Altera Corporation. All rights reserved.
Info: Your use of Altera Corporation's design tools, logic functions
Info: and other software and tools, and its AMPP partner logic
Info: functions, and any output files from any of the foregoing
Info: (including device programming or simulation files), and any
Info: associated documentation or information are expressly subject
Info: to the terms and conditions of the Altera Program License
Info: Subscription Agreement, Altera MegaCore Function License
Info: Agreement, or other applicable license agreement, including,
Info: without limitation, that your use is for the sole purpose of
Info: programming logic devices manufactured by Altera and sold by
Info: Altera or its authorized distributors. Please refer to the
Info: applicable agreement for further details.
Info: Processing started: Sat Mar 15 14:30:02 2014
Info: Command: quartus_pgm -l
1) USB-Blaster variant [1-10]
Info: Quartus II 32-bit Programmer was successful. 0 errors, 0 warnings
Info: Peak virtual memory: 140 megabytes
Info: Processing ended: Sat Mar 15 14:30:02 2014
Info: Elapsed time: 00:00:00
Info: Total CPU time (on all processors): 00:00:00
```

When I try to program the chip I get the following error ...

```
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c USB-Blaster
/home/gvj/fpga/Transceiver.cdf
Warning (11655): Can't locate programming file Transceiver.pof in
/home/stefan/projekte/sdr/Transceiver/. Found and loaded programming file Transceiver.pof
from the current Chain Description File directory /home/gvj/fpga/
Error (213013): Programming hardware cable not detected
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
```

similarly same error here

```
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c USB-Blaster -a
Error (213013): Programming hardware cable not detected
```

Would appreciate any help.

73 Graeme ZL2APV

1134. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 06:33:40 UTC
From: Sid Boyce
Topic: 1133 Message: 1134

That suggests a hardware problem, probably cable.
I have seen that before.
What I can't quite remember was whether the Green LED was lit to show a proper connection. I suspect it wasn't.
In my case the micromatch plug was not properly seated.
73 ... Sid.

On 15/03/14 01:50, gvjury@... wrote:
>
> I am using
> gvj@gj-dt:$ uname -a
> Linux gj-dt 3.8.0-37-generic #53~precise1-Ubuntu SMP Wed Feb 19
> 21:37:54 UTC 2014 x86_64 x86_64 x86_64 GNU/Linux
>
> I have just had a cheap programmer purchased from aliexpress arrive
> this morning so I modified the cable and gave it a try. When i list my
> programmer it shows as "USB-Blaster variant [1-10]" so I expect to be
> able to run using this name with quartus_pgm. I am using the
> quartus_pgm shell script inthe qprogrammer/bin directory.
>
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -l
> Info: ***
> Info: Running Quartus II 32-bit Programmer
> Info: Version 13.1.0 Build 162 10/23/2013 SJ Full Version
> Info: Copyright (C) 1991-2013 Altera Corporation. All rights reserved.
> Info: Your use of Altera Corporation's design tools, logic functions
> Info: and other software and tools, and its AMPP partner logic
> Info: functions, and any output files from any of the foregoing
> Info: (including device programming or simulation files), and any
> Info: associated documentation or information are expressly subject
> Info: to the terms and conditions of the Altera Program License
> Info: Subscription Agreement, Altera MegaCore Function License
> Info: Agreement, or other applicable license agreement, including,
> Info: without limitation, that your use is for the sole purpose of
> Info: programming logic devices manufactured by Altera and sold by
> Info: Altera or its authorized distributors. Please refer to the
> Info: applicable agreement for further details.
> Info: Processing started: Sat Mar 15 14:30:02 2014
> Info: Command: quartus_pgm -l
> 1) USB-Blaster variant [1-10]
> Info: Quartus II 32-bit Programmer was successful. 0 errors, 0 warnings
> Info: Peak virtual memory: 140 megabytes
> Info: Processing ended: Sat Mar 15 14:30:02 2014
> Info: Elapsed time: 00:00:00
> Info: Total CPU time (on all processors): 00:00:00

>
> When I try to program the chip I get the following error ...
>
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c
> USB-Blaster /home/gvj/fpga/Transceiver.cdf
> Warning (11655): Can't locate programming file Transceiver.pof in
> /home/stefan/projekte/sdr/Transceiver/. Found and loaded programming
> file Transceiver.pof from the current Chain Description File directory
> /home/gvj/fpga/
> Error (213013): Programming hardware cable not detected
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
>
> similarly same error here
>
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c
> USB-Blaster -a
> Error (213013): Programming hardware cable not detected
>
> Would appreciate any help.
>
> 73 Graeme ZL2APV
>
>

--
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1135. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 06:46:55 UTC
From: <gvjury@...>
Topic: 1133 Message: 1135

Doing a search for the error brings up this result ...

Programming hardware cable not detected (ID: 213013)
CAUSE: Either you have not specified the programming cable and no programming hardware is added before or cable name is invalid. ACTION: Specify legal programming hardware, or use the Quartus II software Programmer to set up the hardware.I am not sure if by cable they mean the physical wires with connectors used to connect the programmer to HiQSDR or if it is a generic name for the programmer unit.

I have buzzed out all the wires and the connections are good and the plugs are carefully seated. I am wondering if the programmers have to be set up for some particular mode to do the job so will look at this possibility.

Thanks for your response Sid,

73 Graeme

1136. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 07:00:26 UTC
From: <gvjury@...>
Topic: 1133 Message: 1136

```
Here is more clues ...

gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ Programming hardware cable not detected
Programming: command not found
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ (ID: 213013)
ID:: command not found
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ CAUSE: Either you have not specified the
programming cable and no programming hardware is added before or cable name is invalid.
CAUSE:: command not found
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ACTION: Specify legal programming
hardware, or use the Quartus II software Programmer to set up the hardware.
ACTION:: command not found
```

1137. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 07:14:34 UTC
From: Sid Boyce
Topic: 1133 Message: 1137

When the USB is connected the Green LED is lit.
The adapter cable to X4 is 1->1 to the USB Blaster 10 pin cable.

Perhaps altera/13.1/qprogrammer/bin is the wrong directory, I use the
one below (quartus/bin).

/home/lancelot/altera/13.1/quartus/bin/quartus_pgm -c USB-Blaster
Transceiver.cdf
73 ... Sid.

On 15/03/14 06:46, gvjury@... wrote:
>
> Doing a search for the error brings up this result ...
>
>
> Programming hardware cable not detected
>
>
>
> (ID: 213013)
>
> --
> CAUSE: Either you have not specified the programming cable and no
> programming hardware is added before or cable name is invalid.
> ACTION: Specify legal programming hardware, or use the Quartus II
> software Programmer to set up the hardware.
>
> I am not sure if by cable they mean the physical wires with connectors
> used to connect the programmer to HiQSDR or if it is a generic name
> for the programmer unit.
>
> I have buzzed out all the wires and the connections are good and the
> plugs are carefully seated. I am wondering if the programmers have to
> be set up for some particular mode to do the job so will look at this
> possibility.
>
> Thanks for your response Sid,
>
> 73 Graeme
>

--
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1138. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 07:49:54 UTC
From: <gvjury@...>
Topic: 1133 Message: 1138

Yes the green light is on when usb cable plugged in. Ceccking version gives this
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -v
Quartus II 32-bit Programmer
Version 13.1.0 Build 162 10/23/2013 SJ Full Version
Copyright (C) 1991-2013 Altera Corporation
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$

I don't have a /altera/13.1/quartus/bin/ directory and my structure still lets me run quartus_pgm ok but I can't find any command line help for it anywhere apart from -h which is minimal. As the programmer has never been used before I am not sure if it is /quartus_pgm
1. configuration of the programmer
2. Altera software install not good
3. Programmer is faulty
4. HiQSDR is faulty.

I tend to think HiQSDR is OK and the radio stops when programmer is plugged in as I would expect and starts when unplugged. I am sure of my cable and it definitely checks out pin for pin and I have got a picture of the Altera pinout to double check that the pin with the coloured wire is actually pin 1.

I may need to install the full graphical programme so I can get the setup options as I can't see any for the command line or any documentation for it.

Thanks for your persistance,
73 Graeme

1139. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 10:17:08 UTC
From: <gvjury@...>
Topic: 1133 Message: 1139

As is so often the case it was a dual problem.
1. I had to reinstall the programmer
2. I had to specify the mode on the command line

```
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c USB-Blaster -m AS
/home/gvj/fpga/Transceiver.cdf
Warning (11655): Can't locate programming file Transceiver.pof in
/home/stefan/projekte/sdr/Transceiver/. Found and loaded programming file Transceiver.pof
from the current Chain Description File directory /home/gvj/fpga/
Info: *******************************************************************
Info: Running Quartus II 32-bit Programmer
Info: Version 13.1.0 Build 162 10/23/2013 SJ Full Version
Info: Copyright (C) 1991-2013 Altera Corporation. All rights reserved.
Info: Your use of Altera Corporation's design tools, logic functions
Info: and other software and tools, and its AMPP partner logic
Info: functions, and any output files from any of the foregoing
Info: (including device programming or simulation files), and any
Info: associated documentation or information are expressly subject
Info: to the terms and conditions of the Altera Program License
Info: Subscription Agreement, Altera MegaCore Function License
Info: Agreement, or other applicable license agreement, including,
Info: without limitation, that your use is for the sole purpose of
Info: programming logic devices manufactured by Altera and sold by
Info: Altera or its authorized distributors. Please refer to the
Info: applicable agreement for further details.
Info: Processing started: Sat Mar 15 23:01:51 2014
Info: Command: quartus_pgm -c USB-Blaster -m AS /home/gvj/fpga/Transceiver.cdf
Info (213045): Using programming cable "USB-Blaster [1-10]"
Info (213011): Using programming file /home/gvj/fpga/Transceiver.pof with checksum
0x1BBB1905 for device EPCS16@1
Info (209060): Started Programmer operation at Sat Mar 15 23:01:51 2014
Info (209018): Device 1 silicon ID is 0x14
Info (209044): Erasing ASP configuration device(s)
Info (209020): Blank-checking device 1
Info (209024): Programming device 1
Info (209022): Performing verification on device 1
Info (209018): Device 1 silicon ID is 0x14
Info (209011): Successfully performed operation(s)
Info (209061): Ended Programmer operation at Sat Mar 15 23:02:18 2014
Info: Quartus II 32-bit Programmer was successful. 0 errors, 1 warning
Info: Peak virtual memory: 140 megabytes
Info: Processing ended: Sat Mar 15 23:02:18 2014
Info: Elapsed time: 00:00:27
Info: Total CPU time (on all processors): 00:00:00
gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
```

It now programs beautifully. Thanks for all the time you put into helping me and I am now hapily running Stefan's rasdr.

73 Graeme

1140. Re: [n2adr-sdr] Altera firmware programming problems

Yahoo group: n2adr-sdr
Date: 2014-03-15 13:12:05 UTC
From: Sid Boyce
Topic: 1133 Message: 1140

Very interesting, I have never had to specify Active State and I have upgraded from Version 1 through to Version 8 every time a new version became available, using whatever has been the latest Web Edition at the time.
Quartus-web-13.1.0.162-linux.tar

qprogrammer was in 11.0 and 12.1 only, changed to quartus from 13.0, that's unless they have changed 13.1.0.162 since I downloaded it.

```
# l /home/lancelot/altera/
total 32
drwxr-xr-x 6 lancelot users 4096 Jan 10 08:14 ./
drwxr-xr-x 133 lancelot users 12288 Mar 14 12:33 ../
drwxr-xr-x 8 lancelot users 4096 Apr 16 2012 11.0/
drwxr-xr-x 4 lancelot users 4096 Jan 28 2013 12.1/
drwxr-xr-x 8 lancelot users 4096 Jun 11 2013 13.0/
drwxr-xr-x 8 lancelot users 4096 Jan 10 08:22 13.1/
slipstream:/home/lancelot/ftp/MAR14 # l /home/lancelot/altera/12.1
total 460
drwxr-xr-x 4 lancelot users 4096 Jan 28 2013 ./
drwxr-xr-x 6 lancelot users 4096 Jan 10 08:14 ../
-rw-r--r-- 1 lancelot users 446939 Jan 28 2013 altera_inspector.log.zip
-rw-r--r-- 1 lancelot users 2747 Jan 28 2013 altera_installer_12.1.log
drwxr-xr-x 4 lancelot users 4096 Jan 28 2013 installer/
drwxr-xr-x 8 lancelot users 4096 Jan 28 2013 qprogrammer/
slipstream:/home/lancelot/ftp/MAR14 # l /home/lancelot/altera/13.0
total 32
drwxr-xr-x 8 lancelot users 4096 Jun 11 2013 ./
drwxr-xr-x 6 lancelot users 4096 Jan 10 08:14 ../
drwxr-xr-x 3 lancelot users 4096 Jun 11 2013 ip/
drwxr-xr-x 2 lancelot users 4096 Jun 11 2013 logs/
drwxr-xr-x 27 lancelot users 4096 Jun 11 2013 modelsim_ase/
drwxr-xr-x 7 lancelot users 4096 Jun 11 2013 nios2eds/
drwxr-xr-x 17 lancelot users 4096 Jun 11 2013 quartus/
drwxr-xr-x 2 lancelot users 4096 Jun 11 2013 uninstall/
slipstream:/home/lancelot/ftp/MAR14 # l /home/lancelot/altera/13.1
total 32
drwxr-xr-x 8 lancelot users 4096 Jan 10 08:22 ./
drwxr-xr-x 6 lancelot users 4096 Jan 10 08:14 ../
drwxr-xr-x 3 lancelot users 4096 Jan 10 08:17 ip/
drwxr-xr-x 2 lancelot users 4096 Jan 10 08:47 logs/
drwxr-xr-x 27 lancelot users 4096 Jan 10 08:25 modelsim_ase/
drwxr-xr-x 7 lancelot users 4096 Jan 10 08:19 nios2eds/
drwxr-xr-x 17 lancelot users 4096 Jan 10 08:25 quartus/
drwxr-xr-x 2 lancelot users 4096 Jan 10 08:26 uninstall/
73 ... Sid.
```

On 15/03/14 10:17, gvjury@... wrote:
>
> As is so often the case it was a dual problem.
> 1. I had to reinstall the programmer
> 2. I had to specify the mode on the command line
>
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$ ./quartus_pgm -c
> USB-Blaster -m AS /home/gvj/fpga/Transceiver.cdf
> Warning (11655): Can't locate programming file Transceiver.pof in
> /home/stefan/projekte/sdr/Transceiver/. Found and loaded programming
> file Transceiver.pof from the current Chain Description File directory
> /home/gvj/fpga/
> Info: ***
> Info: Running Quartus II 32-bit Programmer
> Info: Version 13.1.0 Build 162 10/23/2013 SJ Full Version
> Info: Copyright (C) 1991-2013 Altera Corporation. All rights reserved.
> Info: Your use of Altera Corporation's design tools, logic functions
> Info: and other software and tools, and its AMPP partner logic
> Info: functions, and any output files from any of the foregoing
> Info: (including device programming or simulation files), and any
> Info: associated documentation or information are expressly subject
> Info: to the terms and conditions of the Altera Program License
> Info: Subscription Agreement, Altera MegaCore Function License
> Info: Agreement, or other applicable license agreement, including,
> Info: without limitation, that your use is for the sole purpose of
> Info: programming logic devices manufactured by Altera and sold by
> Info: Altera or its authorized distributors. Please refer to the
> Info: applicable agreement for further details.
> Info: Processing started: Sat Mar 15 23:01:51 2014
> Info: Command: quartus_pgm -c USB-Blaster -m AS
> /home/gvj/fpga/Transceiver.cdf
> Info (213045): Using programming cable "USB-Blaster [1-10]"
> Info (213011): Using programming file /home/gvj/fpga/Transceiver.pof
> with checksum 0x1BBB1905 for device EPCS16@1
> Info (209060): Started Programmer operation at Sat Mar 15 23:01:51 2014
> Info (209018): Device 1 silicon ID is 0x14
> Info (209044): Erasing ASP configuration device(s)
> Info (209020): Blank-checking device 1
> Info (209024): Programming device 1
> Info (209022): Performing verification on device 1
> Info (209018): Device 1 silicon ID is 0x14
> Info (209011): Successfully performed operation(s)
> Info (209061): Ended Programmer operation at Sat Mar 15 23:02:18 2014
> Info: Quartus II 32-bit Programmer was successful. 0 errors, 1 warning
> Info: Peak virtual memory: 140 megabytes
> Info: Processing ended: Sat Mar 15 23:02:18 2014
> Info: Elapsed time: 00:00:27
> Info: Total CPU time (on all processors): 00:00:00
> gvj@gj-dt:~/Programs/altera/13.1/qprogrammer/bin$
>
> It now programs beautifully. Thanks for all the time you put into

> helping me and I am now hapily running Stefan's rasdr.
>
> 73 Graeme
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1141. How to port Quisk to Mac OS X Maverick

Yahoo group: n2adr-sdr
Date: 2014-03-17 18:18:26 UTC
From: <louijp@...>
Topic: 1141 Message: 1141

Hello Quisk experts,

I am trying to build the last version (3.6.16) of quisk on my macbook, and I am not sure how to switch
from ALSA to Portaudio, so my build always fail with a
"Missing Alsa/asoundlib.h"
What do I need to do to build with portaudio instead?
Thanks in advance,
73 de Jean-Paul (AC9GH)

1142. Problem with Quisk and digital modes on A20-Olinuxino

Yahoo group: n2adr-sdr
Date: 2014-03-20 21:53:11 UTC
From: <frspin@...>
Topic: 1142 Message: 1142

I am testing a A20-Olinuxino, ARM A20 dual core at 1 GHz and with 1 Gb of RAM, running Debian Wheezy
Quisk compile and install without any problem and run with my H101 old SDR.
Resource usage is satisfactory. About 50% ao RAM and 60% of CPU.
Alsa loop is loaded and digital output is defined in quisk config file.
When I switch to DGT-U or DGT-L mode, sound become chopped also without starting Fldigi.
RAM usage is about 60%, no swap but CPU go to 80-90%
Is this a problem due to poor performance of ARM SOC or can I do some optimization? Is snd-aloop a "resource hog"?

Regards
Franco Spinelli
IW2DHW

1143. How many N2ADR-SDRs or HiQSDRs are out there?

Yahoo group: n2adr-sdr
Date: 2014-03-21 05:13:04 UTC
From: <steve@...>
Topic: 1143 Message: 1143

Hello,

I am curious about what the estimate is for built N2ADR-SDRs or HiQSDRs? Is it in the tens, hundreds, or thousands?

73,

Steve
KF7O

1144. Re: How many N2ADR-SDRs or HiQSDRs are out there?

Yahoo group: n2adr-sdr
Date: 2014-03-21 13:46:43 UTC
From: <dh5ym@...>
Topic: 1143 Message: 1144

Hi,
Helmut can most probably answer the question for HiQSDR PCBs.
I have 1 N2ADR PCB and 2 HiQSDR PCB.
I would guess its somewhere about hundred but Helmut may give a exact number.
regards
Mario

1145. Re: [n2adr-sdr] Re: How many N2ADR-SDRs or HiQSDRs are out there?

Yahoo group: n2adr-sdr
Date: 2014-03-21 14:53:23 UTC
From: <hgoebkes@...>
Topic: 1143 Message: 1145

Hi Group,

up to now there are around 280 HiQSDRs used worldwide.
Most of them (98%) was sold "ready built" and just 2% was sold as PCB

HiQSDRs are spread over the whole world,
in nearly each country in Europe but also we have some HiQSDRs in
Russia, Kasachstan, Baltic States, Greecs, India, China, Australia, U.S.A.
and some in Japan, but just 1 pcs on the whole Afrikan continent....

Not so bad for a pure ham spirit driven development, i think.

I can give only numbers for HiQSDR i made, maybe some more are used because
this is a open source project and we had some requests from China and India
for gerber files to make they own..... (probably not always for DIYs purposes....)

Most are used as it was developed, for amateur radio use but some HiQSDR Modules
are used as measuring / testing devices in Companys
(Aeronatic, Research, Broadcast, Universities...)

Hope this info helps

Helmut, DB1CC

From: dh5ym@...
Sent: Friday, March 21, 2014 2:46 PM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Re: How many N2ADR-SDRs or HiQSDRs are out there?

Hi,
Helmut can most probably answer the question for HiQSDR PCBs.
I have 1 N2ADR PCB and 2 HiQSDR PCB.
I would guess its somewhere about hundred but Helmut may give a exact number.
regards
Mario

1146. Re: [n2adr-sdr] Re: How many N2ADR-SDRs or HiQSDRs are out there?

Yahoo group: n2adr-sdr
Date: 2014-03-23 03:55:31 UTC
From: <steve@...>
Topic: 1143 Message: 1146

Thanks for the information and all your work!

73,

Steve
KF7O

1147. Turning on preamp from Quisk

Yahoo group: n2adr-sdr
Date: 2014-03-31 03:15:00 UTC
From: <gvjury@...>
Topic: 1147 Message: 1147

Can anyone tell me if setting the RF button to "RF +10" turns on the preamplifier. In my case I don't see any signal on Preamp_on (pin 5 of the connector) so before trying to fault find I am just making sure that the signal should be generated.

73 Graeme ZL2APV

1148. Quisk on Macbook OS X

Yahoo group: n2adr-sdr
Date: 2014-03-31 03:28:21 UTC
From: Jean-Paul Louis
Topic: 1148 Message: 1148
Attachments: 1 described; binary payloads are missing from this source WARC

Hello all,

I am new to this, and I could not find any reference about running Quisk on a Macbook with OS X.
Has anyone tried to build it?
I failed because it is asking for an ALSA header.file, but Macbook use port audio not ALSA.

Any help welcome.

73 de Jean-Paul AC9GH

1149. Re: [n2adr-sdr] Turning on preamp from Quisk

Yahoo group: n2adr-sdr
Date: 2014-03-31 07:46:16 UTC
From: HGoebkes
Topic: 1147 Message: 1149

Hi Yuri.

The Preamp is on the Preselector and activated by Software via the +10dB button.
The associated Pin should toggle if you klick the button on Quisk.
Be Aware that the signals coming directly from the FPGA, that means that you have
CMOS 3.3V Signals (aka "HCT" compatible) not 5Volt signals. Be careful not to inject signals into outputs
because the FPGA is a Little sensitive to this!
Please chak also if you have tha actual Firmware on the FPGA!

73!
Helmut, DB1CC

1150. Re: Turning on preamp from Quisk

Yahoo group: n2adr-sdr
Date: 2014-03-31 08:07:23 UTC
From: <gvjury@...>
Topic: 1147 Message: 1150

Hi Helmut,

Thanks for the reply. My "preamp_on" output is fed to an 74LVC4245 level converter where the 3.3 to 5V translation takes place. I have done a further test using ghpsdr3-alex and the preamp switches just fine with that software but does not switch when I use Quisk and selecting the +10 db setting in its attenuator button. Maybe I need to set something in the config file or there is some other problem so in summary ...
1. The preamp switches with ghpsdr3-alex
2. The preamp does not switch with Quisk.

My preamp is a Norton feedback amplifier and not the standard one as used in your preamp board.

73, Graeme ZL2APV

1151. Re: Turning on preamp from Quisk

Yahoo group: n2adr-sdr
Date: 2014-03-31 08:20:11 UTC
From: <gvjury@...>
Topic: 1147 Message: 1151

I meant to add that I am using version 1.3-sg7 from Stefan DL2STG but if ghpsdr3-alex switches the preamp then that is not the problem.

73 Graeme

1152. HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 14:03:49 UTC
From: <peter@...>
Topic: 1152 Message: 1152

I realize i am probably a singularity in this forum even to mention the word Windows, but I give it a try anyway!

Over the past weeks I've assembled the HiQSDR board as produced by DB1CC. I managed to program the FPGA and got it working after I installed Python 2.7.5 and Quisk on my Windows machine. But..., the audio works fine for just a few minutes, then gets distorted. I run a fairly recent dual core machine, hence processing power should not be an issue. I made changes to the audio device as required in the config.py file, but that did not improve on the issue, nor changing the audio latency. Odd enough, changing the audio level settings in Quisk gave a change in the audio perception. It altered the audio, not just changed its strength.
Subsequently I've installed the SW on a Windows (sri guys) Netbook. The audio performance remains stable on that machine, but processing power is probabaly the reason why it crashes after 10..20 minutes.
Is there anyone who has experience with the installation of Quisk on a WIN8 (8.1 to be exact) machine and may offer a solution for the audio issue?
73s,
Peter, PA3BIY

1153. Re: [n2adr-sdr] HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 17:17:42 UTC
From: Jean-Paul Louis
Topic: 1152 Message: 1153
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Peter,
I hope you will get an answer from someone in this group.

I have tried to get answers about building Quisk on OS X, but never got
even an ACK of my request.
I have not tried to build on Win 8.1 because my native OS is OS X,
and I run Win 8.1 under Parallels 9 for desktop.

73 de
Jean-Paul (AC9GH)

On Apr 13, 2014, at 10:03 AM, peter@... wrote:

> I realize i am probably a singularity in this forum even to mention the word Windows, but I give it a try anyway!
>
>
> Over the past weeks I've assembled the HiQSDR board as produced by DB1CC. I managed to program the FPGA and got it working after I installed Python 2.7.5 and Quisk on my Windows machine. But..., the audio works fine for just a few minutes, then gets distorted. I run a fairly recent dual core machine, hence processing power should not be an issue. I made changes to the audio device as required in the config.py file, but that did not improve on the issue, nor changing the audio latency. Odd enough, changing the audio level settings in Quisk gave a change in the audio perception. It altered the audio, not just changed its strength.
> Subsequently I've installed the SW on a Windows (sri guys) Netbook. The audio performance remains stable on that machine, but processing power is probabaly the reason why it crashes after 10..20 minutes.
> Is there anyone who has experience with the installation of Quisk on a WIN8 (8.1 to be exact) machine and may offer a solution for the audio issue?
> 73s,
> Peter, PA3BIY
>
>

1154. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 17:29:00 UTC
From: <dh5ym@...>
Topic: 1152 Message: 1154

Hi Peter,

unfortunately i do not own a Win 8 machine. Just can tell you that it was working fine some versions ago on a Win 7 system. The problems you describe might be caused by the soundcard driver itself or maybe some buffer running empty somewhere. Do you have a chance to try a USB soundcard on the same PC were you get distorted audio ? Probably thats a workaround for the moment, although not a very nice one.
Another question: do you connect the HiQSDR directly or via some network ? I use it via WLAN usually and sometimes the network drops some frames. This causes distorted audio for some seconds since its a jump to the filters of the processing. This one you would see in the config screen because the frame error counter increases. In that case you have a problem with the network card.

regards
Mario

1155. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 21:51:42 UTC
From: <peter@...>
Topic: 1152 Message: 1155

Hi Mario and Jean-Paul,

Thanks for the replies! I think SDR is a kind of Linux thing, but it ought to work well on WIN systems (or any other OS for that matter). The audio issue is not yet resolved. This evening I installed the SW on a third machine (Vista!) which can handle the processing easier than the notebook. The sound seems to stay OK, but after 10 minutes the system hang itself. I tried twice this evening, then called it a day. I think that apart of the (WIN8?) audio problem, there might be a lose contact of one of the pins of either the FPGA or any other device (I did check many times under a magnifying glass, but still...). I don't think this is related to the WIN8 audio problem, but I want to resolder the pins to rule it out. For Mario, I did not use a separate USB sound card yet, but I can borrow one to rule the WIN8 issues out (or to confirm it!). First resoldering 240+ pins!!!

73s,

Peter

1156. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 22:09:23 UTC
From: <gvjury@...>
Topic: 1152 Message: 1156

Hi Peter,

I don't think your problem is a hardware one or windows related beyond the possibility that audio processing may be more demanding of the machine.

Two things to try
1. Connect HiQSDR to your ethernet port with a crossover cable to get rid of your network latency.
2. increase the latency to a big amount like 1200 in your quisk.conf.py file

```
# latency_millisecs determines how many samples are in the soundcard play buffer.
# A larger number makes it less likely that you will run out of samples to play,
# but increases latency. It is OK to suffer a certain number of play buffer
# underruns in order to get lower latency. default = 150
latency_millisecs = 1200
```

I am sure it is a buffer overflow/underflow problem and you may need to experiment to get it right. Once it is going you can reduce your buffers until the problem shows then go up one step.

I have had this happen with latency = 64 in my linux system.

73 Graeme ZL2APV

1157. Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-13 22:12:50 UTC
From: <steve@...>
Topic: 1157 Message: 1157

Hello List,

I have been working on a lower cost DDC/DUC transceiver which I am calling Hermes-Lite. All the details are at

https://github.com/softerhardware/Hermes-Lite

Although this runs ported Hermes FPGA code, I would eventually like to port the HiQSDR RTL to this new radio.

The design is entirely open source and open hardware. The cost of all materials (including the BeMicro SDK board) is around $150. The FPGA firmware is a port of the Hermes RTL and is compatible enough to work with existing Hermes software. The ADC/DAC is the AD9866 12-bit integrated device intended for cable modems which I have repurposed as a 0-36 MHz transceiver. RX/TX tests of my prototype show good performance. The github site has instructions for listening to the receiver online.

I had hoped to have a more polished project before releasing, but I am starting a new job tomorrow and will have limited time for this project. Any help on this project or derivatives is welcome.

73,

Steve
KF7O

1158. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-13 22:20:43 UTC
From: <peter@...>
Topic: 1152 Message: 1158

Hi Graeme,

A quick one, as it is past midnight, hi! I have increased the latency up to 150 ms before, but could not notice much difference. The config did not show any errors. However, I'll try a really big nr tomorrow night, and see how it works out. I'll keep you guys posted!

73s es GN,

Peter

1159. Re: [n2adr-sdr] Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-14 00:54:32 UTC
From: Sid Boyce
Topic: 1157 Message: 1159

Hi Steve,
I have only just finished reading details of Hermes-Lite on the hpsdr reflector and github.
Very interesting project indeed. Thanks for the picture and the comparison data.

I have Hermes + eb104.ru BPF + 300W PA/LPF, just waiting for the new cuSDR or John Melton's glSDR for Hermes so I can TX. The HiQSDR + Preselector/10W PA has been a good DX performer for me.

One project I haven't got back to is the Hermes emulator for the RTL-SDR dongle, everything looked OK but my homebrewed HF upconvertor doesn't work. I'll have to look at it closer, seems to be an oscillator problem ~300mV out. Apart from that problem, the server ran and cuSDR64 connected to it.

Hermes-Lite emulating HiQSDR as a goal, just great.
73 ... Sid.

On 13/04/14 23:12, steve@... wrote:
> Hello List,
>
> I have been working on a lower cost DDC/DUC transceiver which I am
> calling Hermes-Lite. All the details are at
>
> https://github.com/softerhardware/Hermes-Lite
>
> Although this runs ported Hermes FPGA code, I would eventually like to
> port the HiQSDR RTL to this new radio.
>
> The design is entirely open source and open hardware. The cost of all
> materials (including the BeMicro SDK board) is around $150. The FPGA
> firmware is a port of the Hermes RTL and is compatible enough to work
> with existing Hermes software. The ADC/DAC is the AD9866 12-bit
> integrated device intended for cable modems which I have repurposed as
> a 0-36 MHz transceiver. RX/TX tests of my prototype show good
> performance. The github site has instructions for listening to the
> receiver online.
>
> I had hoped to have a more polished project before releasing, but I am
> starting a new job tomorrow and will have limited time for this
> project. Any help on this project or derivatives is welcome.
>
> 73,
>
> Steve

> KF7O
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1160. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-14 05:42:11 UTC
From: <dh5ym@...>
Topic: 1152 Message: 1160

Hi Peter,

the crash issue is maybe not related to your audio issue.
Yesterday evening i had two crashes after a couple of minutes running Quisk in the background and using the internet browser in front. I use it under Linux. It seems to be a problem in the C-code since it just tells that there is a fault in memory access when it stops.

regards
Mario

1161. How to connect to the Hermes Lite server at Kf7O....

Yahoo group: n2adr-sdr
Date: 2014-04-14 17:53:03 UTC
From: Rob Frohne
Topic: 1161 Message: 1161

Hi All,

If you have been trying to connect to the KF7O Hermes Lite receiver to try it out, there has been a problem that I can't ping the napan.ca server from it because of a blacklist problem or something similar. That makes it not show up in the server list from glsdr or QtRadio. You can still connect to it by selecting the IP manually which is 74.85.89.174. I'll be working to find out what the issue is in the mean time.

73,

Rob
KL7NA

1162. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-14 20:34:18 UTC
From: <peter@...>
Topic: 1152 Message: 1162

Hi Mario,

I just set the latency to 1200 ms, but the audio issue revealed itself immidiately after starting the program. Hence, it must be some driver issue. I will try to install a USB soundcart tomorrow (if it will run on WIN8!).

Incidentally, I send an email to DL2STG asking for some support how to run his light SDR version RaSDR, but no reply. Is he still active?

73s,

Peter

1163. Re: [n2adr-sdr] Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-15 20:55:40 UTC
From: <ik1xpv@...>
Topic: 1157 Message: 1163

Hello Steve,

I connected to HermesLite server using Qtradio client from Italy and it operates fine.
Keep your fingers crossed for the new job and when possible please continue your clever design!

BRAVO from Italy, 73.

Oscar,
IK1XPV

1164. Re: [n2adr-sdr] Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-16 03:51:02 UTC
From: <steve@...>
Topic: 1157 Message: 1164

I'm glad to hear it woked for you. Now I just need to port the HiQSDR FPGA firmware...

73,

Steve
KF7O

1165. Re: Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-17 20:53:33 UTC
From: <irbsurfing@...>
Topic: 1157 Message: 1165

Hi Steve,
This looks like a great project and I'm very interested to build one. Are there any bare pcbs available or does one need to order some up using the gerbers?
I presume from a software point of view it looks just like a Hermes so all the normal software will run with it?
Thanks for sharing this project!
Andrew
G4XZL

1166. Re: [n2adr-sdr] Introducing the Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2014-04-18 13:35:31 UTC
From: <ik1xpv@...>
Topic: 1157 Message: 1166

Steve, What is the pci-e connector used for ?
Tnx 73
Oscar

1167. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-19 18:43:09 UTC
From: <dh5ym@...>
Topic: 1152 Message: 1167

Hi Peter,

did you have success with the external Soundcard ? I think your problem is not about latency.
Did you already set the playback rate to a fix value in the configuration of Quisk ?
Stefan is usually active but maybe he missed your Mail or he is too busy.
regards
Mario

1168. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-19 19:22:09 UTC
From: <peter@...>
Topic: 1152 Message: 1168

Hi Mario,

No, I did not run the test with the external sound card yet, basically because it works fine on a Vista and WIN7 system. Hence, it seems a specific WIN8 issue. Meanwhile I've ordered the ODROID U3, so I'll make the swap to Linux next week (which will be a major change for this WINDOWS boy, hi!). The U3 should be more than capable enough to support HiQSDR, just learning how to deal with Linix, that'll be achallenge, hi!
Best 73s,
Peter

1169. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-19 20:39:07 UTC
From: Sid Boyce
Topic: 1152 Message: 1169

Hi Peter,
The U3 is more than capable, faster CPU speed and twice the memory of my ODROID-X which runs the HiQSDR using qsdr, quisk and ghpsdr3-alex from http://napan.ca/ghpsdr3/index.php/Main_Page.
I have some weak component on the ODROID-X that causes it to freeze if run it at 1GHz so I run it at 900MHz.

Quisk is the obvious place to start as it is very quick and simple to get up and running once the pre-req packages are installed. This list of packages also includes those needed for ghpsdr3-alex.
"sudo apt-get install libfftw3-dev libasound2-dev libportaudio2 portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0 python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev"

The ODROID-X with Ubuntu 13.10 runs qsdr solidly whereas it suffers loss of sound an occasional crashes on x86_64.
73 ... Sid.

On 19/04/14 20:22, peter@... wrote:
>
> Hi Mario,
>
>
> No, I did not run the test with the external sound card yet, basically
> because it works fine on a Vista and WIN7 system. Hence, it seems a
> specific WIN8 issue. Meanwhile I've ordered the ODROID U3, so I'll
> make the swap to Linux next week (which will be a major change for
> this WINDOWS boy, hi!). The U3 should be more than capable enough to
> support HiQSDR, just learning how to deal with Linix, that'll be
> achallenge, hi!
> Best 73s,
> Peter
>
>

--
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1170. Hermes-Lite Google Group

Yahoo group: n2adr-sdr
Date: 2014-04-20 04:02:45 UTC
From: <steve@...>
Topic: 1170 Message: 1170

For those interested in discussing and participating in further development of the Hermes-Lite, I've started the Hermes-Lite Google Group https://groups.google.com/forum/#!forum/hermes-lite at https://groups.google.com/forum/#!forum/hermes-lite.

73,

Steve
KF7O

1171. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-20 11:31:06 UTC
From: <peter@...>
Topic: 1152 Message: 1171

Hi Sid,

I do intend to run Quisk, at least as a stating point. I should have the ODROID by Tuesday, hope to have first results later this week. Indeed, the U3 seems a potent system, although I have not a clue how the processing load is divided over the 4 cores. I suppose it would need tweaking/re-writing of the Quisk SW in order to get best performance?
Quite a string of characters you've posted, hi, I'll try to run it!

best 73s,

Peter

1172. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-20 11:49:12 UTC
From: Sid Boyce
Topic: 1152 Message: 1172

Hi Peter.
Don't let the string of characters scare you.
Cut and paste the command into a terminal, hit Enter and it installs all
you need.

I have not done any checks on CPU usage to see how many quisk uses but
it runs smoothly without any problems using the Mali400 GPU driver, the
GPU does the number crunching more powerfully than the CPU's can.

The U3 also uses the Mali400 GPU. If the driver for it is not installed
by default, there is
mali-xorg-1.14_video.20131123.tar.gz from
http://odroid.txmonitor.de/software/linux/mali400/ which has them.

I'll help you with the few steps needed to install them.
73 ... Sid.

On 20/04/14 12:31, peter@... wrote:
>
> Hi Sid,
>
>
> I do intend to run Quisk, at least as a stating point. I should have
> the ODROID by Tuesday, hope to have first results later this week.
> Indeed, the U3 seems a potent system, although I have not a clue how
> the processing load is divided over the 4 cores. I suppose it would
> need tweaking/re-writing of the Quisk SW in order to get best performance?
> Quite a string of characters you've posted, hi, I'll try to run it!
>
> best 73s,
>
> Peter
>

--
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1173. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-20 21:59:26 UTC
From: <peter@...>
Topic: 1152 Message: 1173

Hi Sid,

Thanks for the explanation and links, Sid. I'll keep you posted on my progress, probably on Wednesday or Thursday, once I've got the board up and running. The offer for help is appreciated!

Best 73s,

Peter

1174. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-04-20 22:13:58 UTC
From: Sid Boyce
Topic: 1152 Message: 1174

OK Peter,
I'll be on hand to give any help needed.
73 ... Sid.

On 20/04/14 22:59, peter@... wrote:
>
> Hi Sid,
>
>
> Thanks for the explanation and links, Sid. I'll keep you posted on my
> progress, probably on Wednesday or Thursday, once I've got the board
> up and running. The offer for help is appreciated!
>
> Best 73s,
>
> Peter
>

--
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1175. Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-05-31 16:23:51 UTC
From: jahlstr@...
Topic: 1175 Message: 1175

Philip G. Lee contributed code to provide native PulseAudio support for Quisk. You will need to install the package "libpulse-dev" to compile. Thanks Philip!

Stephen, K6BSD, provided patches to support FreeBSD. Thanks Stephen!

The Spot button now works in CW mode with softrock USB hardware. There is a new slider control for SoftRock transmit level on the Config/Config screen.

The new config file options file_name_audio and file_name_samples are the initial names for saving audio and samples on the Config/Config screen. I added more sample rates to support different hardware.

1176. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-06-01 03:02:04 UTC
From: gvjury@...
Topic: 1152 Message: 1176

Hi Peter,

Are you connecting to your lan via wifi on either HiQSDR or your computer? I get this problem as my lan speed is too slow with wifi and I need to be ether cable connected. I can run quisk and HiQSDR with my netbook (just) with XUbuntu wifi connected but after 10 or so minutes it pulses and breaks then settles down only to pulse and break again so that should give you an idea of hardware constraints.

73 Graeme ZL2APV

1177. Re: Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-06-01 03:05:43 UTC
From: gvjury@...
Topic: 1175 Message: 1177

Thanks Jim,

Have installed it with Rx running fine but microphone breaking up. If I record the audio in the config/Tx panel it sounds fine so I will chase it up further. At this stage it is not a bug report, just a heads up and a chance to say thanks to all involved with the new version.

73, Graeme ZL2APV

1178. Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-06-01 09:41:31 UTC
From: peter@...
Topic: 1152 Message: 1178

Hi Graeme,

Thanks for the reply. I am running the ODROID as a stand alone system and the HiQSDR is the only attached device using ethernet (and I occasionally connect to internet). What i get is a chopped audio as long as the Microphone is selected as an input in the config file. When I uncomment the microphone line (device select) the audio is okay and not chopped. I have not tried the brand new release of Quisk, which might just solve my sound issues. Will let you know tomorrow, as the device is at QRL.

Best 73s,

Peter, PA3BIY

1179. Re: [n2adr-sdr] Re: Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-06-01 23:47:40 UTC
From: Sid Boyce
Topic: 1175 Message: 1179

No problem here, at least on ODROID-X. I only made 4 QSO's with no
problem reports.
Used quisk PTT and VOX with a Logitech Aureon 5.1 USB MK.II.
73 ... Sid.

On 01/06/14 04:05, gvjury@... [n2adr-sdr] wrote:
>
> Thanks Jim,
>
> Have installed it with Rx running fine but microphone breaking up. If
> I record the audio in the config/Tx panel it sounds fine so I will
> chase it up further. At this stage it is not a bug report, just a
> heads up and a chance to say thanks to all involved with the new version.
>
> 73, Graeme ZL2APV
>
>

--
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1180. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-06-01 23:55:00 UTC
From: Sid Boyce
Topic: 1152 Message: 1180

```
root@odroid:/opt/quisk-3.6.17# grep microphone_name quisk_conf.py_HiQSDR_1
microphone_name = "plughw:1"
#####microphone_name = "" # Name of microphone capture
device (or "hw:1")
73 ... Sid.

On 01/06/14 10:41, peter@... [n2adr-sdr] wrote:
>
> Hi Graeme,
>
> Thanks for the reply. I am running the ODROID as a stand alone system
> and the HiQSDR is the only attached device using ethernet (and I
> occasionally connect to internet). What i get is a chopped audio as
> long as the Microphone is selected as an input in the config file.
> When I uncomment the microphone line (device select) the audio is okay
> and not chopped. I have not tried the brand new release of Quisk,
> which might just solve my sound issues. Will let you know tomorrow, as
> the device is at QRL.
>
> Best 73s,
>
> Peter, PA3BIY
>
>

--
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```

1181. Re: [n2adr-sdr] Re: HiQSDR WIN8 audio issues

Yahoo group: n2adr-sdr
Date: 2014-06-01 23:56:45 UTC
From: Sid Boyce
Topic: 1152 Message: 1181

The on-board sound card doesn't work for me.

```
root@odroid:/opt/quisk-3.6.17# grep microphone_name quisk_conf.py_HiQSDR_1
microphone_name = "plughw:1"
#####microphone_name = "" # Name of microphone capture
device (or "hw:1")
```

73 ... Sid.

On 01/06/14 10:41, peter@... [n2adr-sdr] wrote:

> Hi Graeme,
>
> Thanks for the reply. I am running the ODROID as a stand alone system
> and the HiQSDR is the only attached device using ethernet (and I
> occasionally connect to internet). What i get is a chopped audio as
> long as the Microphone is selected as an input in the config file.
> When I uncomment the microphone line (device select) the audio is okay
> and not chopped. I have not tried the brand new release of Quisk,
> which might just solve my sound issues. Will let you know tomorrow, as
> the device is at QRL.
>
> Best 73s,
>
> Peter, PA3BIY
>
>

--
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1182. Re: Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-06-02 17:38:48 UTC
From: peter@...
Topic: 1175 Message: 1182

I installed Quisk v.3.6.17, but there does not seem to be any improvement regarding proper audio support for the ODROID U3 internal sound card. Whether this is due to Quisk or lack of ODROID driver support I can't determine for sure, although the latter seems likely. I had high hopes whem I read that Pulse ws incorporated/improved, but when I tried to run Quisk 3.6.17 the RX audio worked for 4 seconds and then disappeared. Why did I buy an ODROID platform??

73s,

Peter

1183. Re: Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-06-02 21:33:23 UTC
From: gvjury@...
Topic: 1175 Message: 1183

I'm not having much luck with pulse. The latency is is very high on Rx in the order of 1 second or more although it works perfectly well in otherwise.. On Tx there is the same latency plus the audio is only in bursts of a part second or so and very staccato. I have had to revert back to hw:0,0 for mic and play where it works normally.

73 Graeme ZL2APV

1184. Re: [n2adr-sdr] Re: Quisk Version 3.6.17

Yahoo group: n2adr-sdr
Date: 2014-06-03 12:13:59 UTC
From: Sid Boyce
Topic: 1175 Message: 1184

Definitely not quisk, hardkernel have never properly supported the
max98090 sound chip.

At first only a few mixer controls would show up and Mike (KL7NOA) and I
had been bombarding them with queries to get it working or working
properly.
Now a raft of controls show up in alsamixer but no way can I play a file
to card 0. "aplay xxx.wav" comes out of the USB sound card (card 1) and
I haven't found out how - asoundrc and pulseaudio configs all look sane.

It's never been 100% functional and when it's worked sound has been
bloody horrible.

I did ask them about having their kernel supported upstream along with
50-odd other ARM boards and they said it would NEVER happen.

My advice is to get small form factor USB cards.

I'll reawaken the topic on the odroid forum this very day.
73 ... Sid.

On 02/06/14 18:38, peter@... [n2adr-sdr] wrote:
>
> I installed Quisk v.3.6.17, but there does not seem to be any
> improvement regarding proper audio support for the ODROID U3 internal
> sound card. Whether this is due to Quisk or lack of ODROID driver
> support I can't determine for sure, although the latter seems likely.
> I had high hopes whem I read that Pulse ws incorporated/improved, but
> when I tried to run Quisk 3.6.17 the RX audio worked for 4 seconds and
> then disappeared. Why did I buy an ODROID platform??
>
>
> 73s,
>
> Peter
>

--
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1185. Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-23 16:24:45 UTC
From: jahlstr@...
Topic: 1185 Message: 1185

The Windows installer now works with the new WxPython 3.0. Previously it required 2.x. I fixed an annoying sound loop that happened on Windows when quitting Quisk.

The Rx Filter screen now displays the bandwidth of the filter at the 3 and 6 dB points. I improved the calculation of FFT size for fft_size_multiplier==0. I added more FFT buffers to improve performance at high data rates.

When you right-click the S-meter, there are new options to change the S-meter time constant, and to measure the audio voltage.

Jim
N2ADR

1186. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-23 22:18:18 UTC
From: gvjury@...
Topic: 1185 Message: 1186

Again thanks Jim. All installed and running just fine. The hold time for the s-meter is a great help in generating more accurate reports and audio levels are very helpful for testing. The problem with pulse sound is still there with high latency and distortion on Tx but Alsa is still great. Did not notice any change on wideband but I usually am on CW with 48 KHz rather than spectrum scanning.

73 Graeme ZL2APV

1187. Re: [n2adr-sdr] Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-23 22:19:08 UTC
From: Sid Boyce
Topic: 1185 Message: 1187

Thanks Jim,
Nice features, all functional on ODROID-U3 with HiQSDR at up to 960K samplerate.
73 ... Sid.

On 23/06/14 17:24, jahlstr@... [n2adr-sdr] wrote:
>
> The Windows installer now works with the new WxPython 3.0. Previously
> it required 2.x. I fixed an annoying sound loop that happened on
> Windows when quitting Quisk.
>
>
> The Rx Filter screen now displays the bandwidth of the filter at the 3
> and 6 dB points. I improved the calculation of FFT size for
> fft_size_multiplier==0. I added more FFT buffers to improve
> performance at high data rates.
>
>
> When you right-click the S-meter, there are new options to change the
> S-meter time constant, and to measure the audio voltage.
>
>
> Jim
>
> N2ADR
>
>
>

--
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1188. Re: [n2adr-sdr] Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-23 22:54:02 UTC
From: Mike
Topic: 1185 Message: 1188

I had a problem on Linux .... and it might be something with Fedora20
since im having issues with other sdr software ...

Im useing the softrock fixed config ... and iv set the setting for fixed
display center freq to be 7.2685mhz but when running quisk , maybe 40
times out of 41 the display freq scale is shown as the audio freq....not
the Rf freq and if i click on the pan display audio is lost (just noise
- like band noise) and if i enter a freq into teh manual window and hit
enter , the Rx shows in the spectrum window (if i enter a freq with in
the soundcard bandwidth) and i can re-enter freqes till i land on a
signal i want to hear and Rx is correct ....

Once in a while, the frequency scale is correct and i can click on a
vocal transmission and the Rx is fine ....

I probably explained that terribly ..... ill D/L the new and install

Don't get too involved in thinking why .... if i cant solve my Qt5.3.1 /
qmake / codec2-dev linking (for ghpsdr3-alex) issues by next weekend im
going to wipe the drive and go back to Ubuntu.

Mike KC7NOA

On 06/23/2014 09:24 AM, jahlstr@... [n2adr-sdr] wrote:
>
> The Windows installer now works with the new WxPython 3.0. Previously
> it required 2.x. I fixed an annoying sound loop that happened on
> Windows when quitting Quisk.
>
>
> The Rx Filter screen now displays the bandwidth of the filter at the 3
> and 6 dB points. I improved the calculation of FFT size for
> fft_size_multiplier==0. I added more FFT buffers to improve
> performance at high data rates.
>
>
> When you right-click the S-meter, there are new options to change the
> S-meter time constant, and to measure the audio voltage.
>
>
> Jim
>
> N2ADR
>
>
>

--
Mike KC7NOA

1189. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-24 11:55:25 UTC
From: jahlstr@...
Topic: 1185 Message: 1189

Thanks for testing the new version. The audio voltage is true RMS, and it is useful when using Quisk as a test instrument, for example, measuring noise figure.

Jim
N2ADR

1190. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-25 21:16:37 UTC
From: peter@...
Topic: 1185 Message: 1190

The new version is working, but not quite well under Ubuntu 14.04LTS. Has any one running it with bitmap (ie: waterfall) and graph line operational? The version I am using runs on a ODROID U3, and (I think) is actually LUBUNTU 14.04LTS, if that makes any sense.

There are no issues when I run it under Ubuntu 13.10.

73s,

Peter

1191. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-25 21:28:40 UTC
From: gvjury@...
Topic: 1185 Message: 1191

Hi Peter,

Works fine for me using Linux Mint 17 (based on Ubuntu 14.04 LTS) I can use all facilities both Rx and Tx so it looks like something in your setup. Good luck with the hunting.

73 Graeme ZL2APV

1192. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-25 21:40:26 UTC
From: peter@...
Topic: 1185 Message: 1192

Hi Graeme,

Thanks for the reply. Some questions:

- Do you have it installed on an ODROID U3 board?
- Did you install Python wxgtk 3.0? (I tried, but failed)
- What are the main differences between normal Ubuntu and Mint that might explain the differences?

Thanks!

73s,

Peter, PA3BIY

1193. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-25 22:17:16 UTC
From: Mike
Topic: 1185 Message: 1193

Im running Ubuntu 14.04 .... i dont have those issues ...

I do have a question, is there a way to change audio phase inputs? ...
some cards have an offset due to the way data is transferred ...

I/Q correction used to work .. but now it dosent and im not sure why at
the moment ....

Does

channel_i = 0 # Soundcard index of in-phase
channel: 0, 1, 2, ...
channel_q = 1 # Soundcard index of quadrature
channel: 0, 1, 2, ...

mean that its stereo(yes) ...? what does the effect of choosing 2 or 3 have?

Mike KC7NOA

On 06/25/2014 02:16 PM, peter@... [n2adr-sdr] wrote:
> The new version is working, but not quite well under Ubuntu 14.04LTS.
> Has any one running it with bitmap (ie: waterfall) and graph line
> operational? The version I am using runs on a ODROID U3, and (I think)
> is actually LUBUNTU 14.04LTS, if that makes any sense.
> There are no issues when I run it under Ubuntu 13.10.
>
> 73s,
>
> Peter
>

--
Mike KC7NOA

1194. souncard offset ...

Yahoo group: n2adr-sdr
Date: 2014-06-25 22:26:34 UTC
From: Mike
Topic: 1194 Message: 1194

Man .. it really never fails ....

ask a question on a forum .... and less than an hour i usually find the answer ... even if i had looked fop a few days ...

```
# Thanks to Franco Spinelli for this fix:
# The H101 hardware using the PCM2904 chip has a one-sample delay between
# channels, which must be fixed in software. If you have this problem,
# change channel_delay to either channel_i or channel_q. Use -1 for no
delay.
channel_delay = -1
# This is for mic playback (SoftRock transmit):
tx_channel_delay = -1
```

So then i guess i put the line

```
channel_delay = channel_i
```

in the .quisk_conf.py of the home folder (after the sound card naming) ... Right?

Mike KC7NOA

--
Mike KC7NOA

1195. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-25 23:00:23 UTC
From: gvjury@...
Topic: 1185 Message: 1195

Hi Peter,

My installation is on a standard desktop dual core machine with nvidia graphics.
I used wxgtk2.8 and don't have 3 installed.
There are no real differences between Ubuntu and Mint except for the user interface. The Unity desktop in Ubuntu is really good but I guess I had got used to things like displaying open apps on the status line and preferred the old fashioned style of desktop. I use XUbuntu on my netbook and Quisk runs there, but only just, with the cpu at about 90% most of the time. ghpsdr3-alex runs at about 60 to 70% and I can web browse at the same time. I really like the clean interface that Quisk provides with everything accessable from front panel buttons and just wish it was a bit easier on the processor so I can sit in the lounge in front of the fire on a winter's night with my netbook and go on air without the frequent dropouts but it is great on the desktop in my shack.

A guy with a lot of experience with ODROID is Sid G3VBV and he lurks this forum so perhaps he can come up with something useful.

73 Graeme

1196. Re: souncard offset ...

Yahoo group: n2adr-sdr
Date: 2014-06-25 23:09:40 UTC
From: gvjury@...
Topic: 1194 Message: 1196

heehee been there

Graeme ZL2APV

1197. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 00:43:18 UTC
From: Sid Boyce
Topic: 1185 Message: 1197

On the desktop I am running Kubuntu 14.04, I never liked the bug ugly Unity interface.
Kubuntu 14.04 x86_64
---
root@sdrbox:/opt/quisk-3.6.18# dpkg -l|grep wx
ii libwxbase2.8-0:amd64 2.8.12.1+dfsg-2ubuntu2
amd64 wxBase library (runtime) - non-GUI support classes of
wxWidgets toolkit
ii libwxgtk-media2.8-0:amd64 2.8.12.1+dfsg-2ubuntu2
amd64 wxWidgets Cross-platform C++ GUI toolkit (GTK+ media
library runtime)
ii libwxgtk2.8-0:amd64 2.8.12.1+dfsg-2ubuntu2
amd64 wxWidgets Cross-platform C++ GUI toolkit (GTK+ runtime)
ii python-wxgtk2.8 2.8.12.1+dfsg-2ubuntu2
amd64 wxWidgets Cross-platform C++ GUI toolkit (wxPython binding)
ii python-wxversion

ODROID-U3
---
root@odroidu3:/opt/quisk-3.6.18# dpkg -l|grep wx
ii libwxbase2.8-0:armhf 2.8.12.1-14ubuntu1.1
armhf wxBase library (runtime) - non-GUI support classes of
wxWidgets toolkit
ii libwxgtk-media2.8-0:armhf 2.8.12.1-14ubuntu1.1
armhf wxWidgets Cross-platform C++ GUI toolkit (GTK+ runtime)
ii libwxgtk2.8-0:armhf 2.8.12.1-14ubuntu1.1
armhf wxWidgets Cross-platform C++ GUI toolkit (GTK+ runtime)
ii python-wxgtk2.8 2.8.12.1-14ubuntu1.1
armhf wxWidgets Cross-platform C++ GUI toolkit (wxPython binding)
ii python-wxversion 2.8.12.1-14ubuntu1.1
all wxWidgets Cross-platform C++ GUI toolkit (wxPython version
selector)

On the ODROID-U3 I run lubuntu 14.04, no sound from HDMI or the Headphone socket with quisk. I have to use the USB sound card but it works reliably for RX and TX. Had a short QSO (55 report) with K6YRA this afternoon with the HiQSDR and 10W PA.

With qsdr and rasdr HDMI sound has worked sometimes. It will at times switch from HDMI to USB sound automatically. Currently they all are using USB sound.
mdrjr, the harkdernel developer suggested I upgrade the U3 to the 3.8.13.23 kernel which I'll check out shortly. He also said he would post an updated 14.04 image but I haven't seen it appear on http://odroid.in/ubuntu_14.04lts/

With on-board/HDMI sound I get solid errors with quisk.

Display is normal and up to samplerate 960K is OK on all platforms.
73 ... Sid.

On 26/06/14 00:00, gvjury@... [n2adr-sdr] wrote:
>
> Hi Peter,
>
> My installation is on a standard desktop dual core machine with nvidia
> graphics.
> I used wxgtk2.8 and don't have 3 installed.
> There are no real differences between Ubuntu and Mint except for the
> user interface. The Unity desktop in Ubuntu is really good but I guess
> I had got used to things like displaying open apps on the status line
> and preferred the old fashioned style of desktop. I use XUbuntu on my
> netbook and Quisk runs there, but only just, with the cpu at about 90%
> most of the time. ghpsdr3-alex runs at about 60 to 70% and I can web
> browse at the same time. I really like the clean interface that Quisk
> provides with everything accessable from front panel buttons and just
> wish it was a bit easier on the processor so I can sit in the lounge
> in front of the fire on a winter's night with my netbook and go on air
> without the frequent dropouts but it is great on the desktop in my shack.
>
> A guy with a lot of experience with ODROID is Sid G3VBV and he lurks
> this forum so perhaps he can come up with something useful.
>
> 73 Graeme
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1198. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 01:35:10 UTC
From: Sid Boyce
Topic: 1185 Message: 1198

There is no python wxgtk 3 package for either Ubuntu x84_64 or ARM.
There are gtk3 and python3 packages but no wxPython3 on any distro - 2.8
is still the only version available.

the latest on openSUSE only is python-wxWidgets-2_9 and
python-wxWidgets-2_9-devel but I use 2.8.
73 ... Sid.

On 25/06/14 22:40, peter@... [n2adr-sdr] wrote:
>
> Hi Graeme,
>
>
> Thanks for the reply. Some questions:
>
>
> - Do you have it installed on an ODROID U3 board?
>
> - Did you install Python wxgtk 3.0? (I tried, but failed)
>
> - What are the main differences between normal Ubuntu and Mint that
> might explain the differences?
>
>
> Thanks!
>
>
> 73s,
>
>
> Peter, PA3BIY
>
>

--
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1199. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 08:02:02 UTC
From: peter@...
Topic: 1185 Message: 1199

Tnx to Graeme and Sid for replying. I checked the Python installs, and they are identical to the ones you showed, Sid. For 1 minor (?) detail: the figure around UBUNTU are 2UBUNTU2, not 14UBUNTU1.1. Otherwise the version nrs are identical.
Sid, do you have the UBUNTU version released by ODROID 2 weeks ago installed, or a different version? As i see it now the installs from you and me should be identical (except perhaps for a different sub version of the OS??).

Glas to hear that there is something moving regarding the build in sound card. I also use an external USB stick now, which works like a charm, but it would free up a USB port if the internal sound card becomes available for QUISK.

73s,

Peter

1200. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 12:10:07 UTC
From: Sid Boyce
Topic: 1185 Message: 1200

Oops! just realised I am still on 13.10 on the ODROID-U3 and was waiting
on the new 14.04 Desktop release.

It offers to upgrade to 14.04 but I thought I would wait for the
promised release and burn that to a new microSD card.
73 ... Sid.

On 26/06/14 09:02, peter@... [n2adr-sdr] wrote:
>
> Tnx to Graeme and Sid for replying.
>
> I checked the Python installs, and they are identical to the ones you
> showed, Sid. For 1 minor (?) detail: the figure around UBUNTU are
> 2UBUNTU2, not 14UBUNTU1.1. Otherwise the version nrs are identical.
> Sid, do you have the UBUNTU version released by ODROID 2 weeks ago
> installed, or a different version? As i see it now the installs from
> you and me should be identical (except perhaps for a different sub
> version of the OS??).
>
> Glas to hear that there is something moving regarding the build in
> sound card. I also use an external USB stick now, which works like a
> charm, but it would free up a USB port if the internal sound card
> becomes available for QUISK.
>
> 73s,
>
> Peter
>

--
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1201. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 15:42:55 UTC
From: Sid Boyce
Topic: 1185 Message: 1201

I built and installed kernel 3.8.13.23 on the U3, no change in the audio situation.

It's the same as on the ODROID-X running 3.8.13.18 and the U3 running 3.8.13.16.
73 ... Sid.

On 26/06/14 13:10, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Oops! just realised I am still on 13.10 on the ODROID-U3 and was
> waiting on the new 14.04 Desktop release.
>
> It offers to upgrade to 14.04 but I thought I would wait for the
> promised release and burn that to a new microSD card.
> 73 ... Sid.
>
> On 26/06/14 09:02, peter@... [n2adr-sdr] wrote:
>>
>> Tnx to Graeme and Sid for replying.
>>
>> I checked the Python installs, and they are identical to the ones you
>> showed, Sid. For 1 minor (?) detail: the figure around UBUNTU are
>> 2UBUNTU2, not 14UBUNTU1.1. Otherwise the version nrs are identical.
>> Sid, do you have the UBUNTU version released by ODROID 2 weeks ago
>> installed, or a different version? As i see it now the installs from
>> you and me should be identical (except perhaps for a different sub
>> version of the OS??).
>>
>> Glas to hear that there is something moving regarding the build in
>> sound card. I also use an external USB stick now, which works like a
>> charm, but it would free up a USB port if the internal sound card
>> becomes available for QUISK.
>>
>> 73s,
>>
>> Peter
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>

--
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1202. Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 20:00:20 UTC
From: peter@...
Topic: 1185 Message: 1202

Hi Sid,

Sad to hear about the lack of improvement using the new Kernel. Hence we'll be stuck with our external sound cards.
I'm curious if QUISK will work flawlessly on Ubuntu 14.04, once you've up-graded.

73s,

Peter

1203. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-26 23:42:17 UTC
From: Mike
Topic: 1185 Message: 1203

Too bad ....

Ill be trying the Odroid again with a usb sound ....

Mike KC7NOA
On 06/26/2014 01:00 PM, peter@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> Sad to hear about the lack of improvement using the new Kernel. Hence
> we'll be stuck with our external sound cards.
> I'm curious if QUISK will work flawlessly on Ubuntu 14.04, once you've
> up-graded.
>
> 73s,
>
> Peter
>

--
Mike KC7NOA

1204. Quisk

Yahoo group: n2adr-sdr
Date: 2014-06-27 00:05:51 UTC
From: Mike
Topic: 947 Message: 1204

Welp .. Sid, im not sure if you tried a I/Q based (soundcard) with Quisk and Fedora ....
Iv given up on Fedora20 (mostly) for Quisk and ghpsdr3-alex ...

I simply couldn't figure out how to get quisk to do a proper image rejection .....
I swapped out the drive with a working Ubuntu 14.04 and changed nothing else and Quisk image rejection did not need any touch-up ...

Mike KC7NOA

--
Mike KC7NOA

1205. Re: [n2adr-sdr] Re: Quisk Version 3.6.18

Yahoo group: n2adr-sdr
Date: 2014-06-27 00:13:14 UTC
From: Sid Boyce
Topic: 1185 Message: 1205

I shall now be installing lubuntu 14.04 on the ODROID-X while I wait for
the 14.04 U3 as I don't want to upset the working setup.

I don't have a screen connected to the -X, I would need another
microHDMI cable.

I have ordered the 7" screen from pollin.de.
73 ... Sid.

On 26/06/14 21:00, peter@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> Sad to hear about the lack of improvement using the new Kernel. Hence
> we'll be stuck with our external sound cards.
> I'm curious if QUISK will work flawlessly on Ubuntu 14.04, once you've
> up-graded.
>
> 73s,
>
> Peter
>

--
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1206. Re: [n2adr-sdr] Quisk

Yahoo group: n2adr-sdr
Date: 2014-06-27 11:22:24 UTC
From: Sid Boyce
Topic: 947 Message: 1206

Due to lack desk/shelf space for them I don't have UHFSDR or Ensemble RXTX connected to check on image suppression.

I have never been happy with sound card and SDR-Widget I-Q performance.

Hopefully with KL7NA's Hermes-Lite being developed there will be a very cost effective DDC/DUC SDR. The last time I hooked up to Rob's with QtRadio it was looking great.
I got the BeMicro SDK yesterday and I have ordered a board from Rob. The board may have to go through other revisions - we'll see.
Discussion at hermes-lite@...
73 ... Sid.

On 27/06/14 01:05, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Welp .. Sid, im not sure if you tried a I/Q based (soundcard) with Quisk
> and Fedora ....
> Iv given up on Fedora20 (mostly) for Quisk and ghpsdr3-alex ...
>
> I simply couldn't figure out how to get quisk to do a proper image
> rejection .....
> I swapped out the drive with a working Ubuntu 14.04 and changed nothing
> else and Quisk image rejection did not need any touch-up ...
>
> Mike KC7NOA
>
> --
> Mike KC7NOA
>
>

--
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1207. Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 13:53:05 UTC
From: Jeff
Topic: 1207 Message: 1207

Hi Sid,

I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
Would you recommend that amp?

Thanks,

Jeff
k2SDR

Sent from my iPad

1208. Re: [n2adr-sdr] Quisk

Yahoo group: n2adr-sdr
Date: 2014-06-27 14:59:29 UTC
From: Mike
Topic: 947 Message: 1208

yea ... KL7NA's is nice -- though something crashes almost often .... no
freq control.....
I use it often .....

OH .... bty , its something with fedora20 ...
I have a fedora 19dvd i might try before i clone my only working dl-165
14.04

Mike KC7NOA

On 06/27/2014 04:22 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Due to lack desk/shelf space for them I don't have UHFSDR or Ensemble
> RXTX connected to check on image suppression.
>
> I have never been happy with sound card and SDR-Widget I-Q performance.
>
> Hopefully with KL7NA's Hermes-Lite being developed there will be a
> very cost effective DDC/DUC SDR. The last time I hooked up to Rob's
> with QtRadio it was looking great.
> I got the BeMicro SDK yesterday and I have ordered a board from Rob.
> The board may have to go through other revisions - we'll see.
> Discussion at hermes-lite@...
> 73 ... Sid.
>
> On 27/06/14 01:05, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Welp .. Sid, im not sure if you tried a I/Q based (soundcard) with Quisk
>> and Fedora ....
>> Iv given up on Fedora20 (mostly) for Quisk and ghpsdr3-alex ...
>>
>> I simply couldn't figure out how to get quisk to do a proper image
>> rejection .....
>> I swapped out the drive with a working Ubuntu 14.04 and changed nothing
>> else and Quisk image rejection did not need any touch-up ...
>>
>> Mike KC7NOA
>>
>> --
>> Mike KC7NOA
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>

--
Mike KC7NOA

1209. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 15:31:30 UTC
From: Sid Boyce
Topic: 1207 Message: 1209

Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
Apache-Labs Hermes.

I have not given any thoughts to using it with HiQSDR so far.

Tim, I can't find the SPI switching circuit one of the guys gave us, may
be that may be what's needed.

I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
implements GPIO-Module support via SPI which I need to further study.

May be dl2stg can shed some light on how it's currently being used.
73 ... Sid.

On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
> Would you recommend that amp?
>
> Thanks,
>
> Jeff
> k2SDR
>
> Sent from my iPad
>
>

--
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1210. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 15:39:04 UTC
From: Jeff Kelly
Topic: 1207 Message: 1210

Thanks – on a separate note would you have the Hermes 2.9b bootloader file for USB Byteblaster?

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, June 27, 2014 11:31
To: n2adr-sdr@yahoogroups.com
Cc: Tim O'Rourke
Subject: Re: [n2adr-sdr] Eb104

Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with Apache-Labs Hermes.

I have not given any thoughts to using it with HiQSDR so far.

Tim, I can't find the SPI switching circuit one of the guys gave us, may be that may be what's needed.

I had a quick look at the latest fpga_ver3-sg9.tgz firmware which implements GPIO-Module support via SPI which I need to further study.

May be dl2stg can shed some light on how it's currently being used.
73 ... Sid.

On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:

Hi Sid,

I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
Would you recommend that amp?

Thanks,

Jeff
k2SDR

Sent from my iPad

--
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1211. Re: [n2adr-sdr] Quisk

Yahoo group: n2adr-sdr
Date: 2014-06-27 15:46:09 UTC
From: Sid Boyce
Topic: 947 Message: 1211

At the moment KL7NA has "Hermes" up and I am connected with QtRadio on
the ODROID-U3.

When I last connected to "Hermes-Lite" (different - the clone) which is
off air now, it was solid.

I started with Fedora 19 and upgraded to Fedora 20 when it went GA,
QtRadio works for me.
73 ... Sid.

On 27/06/14 15:59, Mike Patriot121@... [n2adr-sdr] wrote:
>
> yea ... KL7NA's is nice -- though something crashes almost often ....
> no freq control.....
> I use it often .....
>
> OH .... bty , its something with fedora20 ...
> I have a fedora 19dvd i might try before i clone my only working
> dl-165 14.04
>
> Mike KC7NOA
>
> On 06/27/2014 04:22 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Due to lack desk/shelf space for them I don't have UHFSDR or Ensemble
>> RXTX connected to check on image suppression.
>>
>> I have never been happy with sound card and SDR-Widget I-Q performance.
>>
>> Hopefully with KL7NA's Hermes-Lite being developed there will be a
>> very cost effective DDC/DUC SDR. The last time I hooked up to Rob's
>> with QtRadio it was looking great.
>> I got the BeMicro SDK yesterday and I have ordered a board from Rob.
>> The board may have to go through other revisions - we'll see.
>> Discussion at hermes-lite@...
>> 73 ... Sid.
>>
>> On 27/06/14 01:05, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> Welp .. Sid, im not sure if you tried a I/Q based (soundcard) with
>>> Quisk
>>> and Fedora ....
>>> Iv given up on Fedora20 (mostly) for Quisk and ghpsdr3-alex ...
>>>
>>> I simply couldn't figure out how to get quisk to do a proper image

>>> rejection .....
>>> I swapped out the drive with a working Ubuntu 14.04 and changed nothing
>>> else and Quisk image rejection did not need any touch-up ...
>>>
>>> Mike KC7NOA
>>>
>>> --
>>> Mike KC7NOA
>>>
>>
>>
> --
> Mike KC7NOA
>

--
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1212. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 16:07:20 UTC
From: Sid Boyce
Topic: 1207 Message: 1212

Hi Jeff,
The last upgrade I did was the 2.9 rbf file using HPSDRProgrammer V2
over the network.

I have never used the bootloader code, I have always used HPSDRProgrammer.

A strange thing happened when I was upgrading, HPSDRProgrammer told me I
had Hermes and I think Metis online, so it was detecting the presence of
both Hermes (192.168.10.77) and the HiQSDR (192.168.2.196).
I was at first puzzled and used a PC that was not connected to the
192.168.2 network before I realised what was happening.
73 ... Sid.

On 27/06/14 16:39, 'Jeff Kelly' jkelly@... [n2adr-sdr] wrote:
>
> Thanks ?EUR" on a separate note would you have the Hermes 2.9b
> bootloader file for USB Byteblaster?
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Friday, June 27, 2014 11:31
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Cc:* Tim O'Rourke <mailto:w4yn@...>
> *Subject:* Re: [n2adr-sdr] Eb104
>
> Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
> Apache-Labs Hermes.
>
> I have not given any thoughts to using it with HiQSDR so far.
>
> Tim, I can't find the SPI switching circuit one of the guys gave us,
> may be that may be what's needed.
>
> I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
> implements GPIO-Module support via SPI which I need to further study.
>
> May be dl2stg can shed some light on how it's currently being used.
> 73 ... Sid.
>
> On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>>
>> Hi Sid,
>>
>> I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
>> Would you recommend that amp?
>>
>> Thanks,
>>

>> Jeff
>> k2SDR
>>
>> Sent from my iPad
>>
>
>
> --
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1213. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 17:39:50 UTC
From: Jeff
Topic: 1207 Message: 1213

I just got the apache labs hermes board and want to use it for receive.
I don't know if you use power sdr but with checking hermes and no Alex or Apollo ,
I get crashes when I change bands. Almost like it wants to control some other hardware.

Do I have to set it up special to work only by itself?

Jeff

Sent from my iPad

> On Jun 27, 2014, at 12:07 PM, "Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Jeff,
> The last upgrade I did was the 2.9 rbf file using HPSDRProgrammer V2 over the network.
>
> I have never used the bootloader code, I have always used HPSDRProgrammer.
>
> A strange thing happened when I was upgrading, HPSDRProgrammer told me I had Hermes and I think Metis online, so it was detecting the presence of both Hermes (192.168.10.77) and the HiQSDR (192.168.2.196).
> I was at first puzzled and used a PC that was not connected to the 192.168.2 network before I realised what was happening.
> 73 ... Sid.
>
>> On 27/06/14 16:39, 'Jeff Kelly' jkelly@... [n2adr-sdr] wrote:
>>
>> Thanks â€“ on a separate note would you have the Hermes 2.9b bootloader file for USB Byteblaster?
>>
>> From: mailto:n2adr-sdr@yahoogroups.com
>> Sent: Friday, June 27, 2014 11:31
>> To: n2adr-sdr@yahoogroups.com
>> Cc: Tim O'Rourke
>> Subject: Re: [n2adr-sdr] Eb104
>>
>>
>> Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with Apache-Labs Hermes.
>>
>> I have not given any thoughts to using it with HiQSDR so far.
>>
>> Tim, I can't find the SPI switching circuit one of the guys gave us, may be that may be what's needed.
>>
>> I had a quick look at the latest fpga_ver3-sg9.tgz firmware which implements GPIO-Module support via SPI which I need to further study.

>>
>> May be dl2stg can shed some light on how it's currently being used.
>> 73 ... Sid.
>>
>>> On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>>>
>>> Hi Sid,
>>>
>>> I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
>>> Would you recommend that amp?
>>>
>>> Thanks,
>>>
>>> Jeff
>>> k2SDR
>>>
>>> Sent from my iPad
>>
>>
>> --
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>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

1214. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-27 21:13:47 UTC
From: Tim ORourke
Topic: 1207 Message: 1214

The was from Check Republic if I remember correct.

At field day this weekend will check next week.

Tim

-----Original Message-----
From: Sid Boyce
Sent: Jun 27, 2014 11:31 AM
To: n2adr-sdr@yahoogroups.com
Cc: Tim O'Rourke
Subject: Re: [n2adr-sdr] Eb104

Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
Apache-Labs Hermes.

I have not given any thoughts to using it with HiQSDR so far.

Tim, I can't find the SPI switching circuit one of the guys gave us, may
be that may be what's needed.

I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
implements GPIO-Module support via SPI which I need to further study.

May be dl2stg can shed some light on how it's currently being used.
73 ... Sid.

On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> I have a Hermes and I am thinking of getting the EB104 300 watt amp.(.3w)
> Would you recommend that amp?
>
> Thanks,
>
> Jeff
> k2SDR
>
> Sent from my iPad
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach

Microsoft Windows Free Zone - Linux used for all Computing Tasks

Tim O'Rourke
W4YN@...
Low Power Amateur Radio Rocks
Member of Flying Pigs,ARCI,GQRP,RSGB,ARRL Life Member
NHRA Life Member

1215. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-28 05:48:02 UTC
From: Sid Boyce
Topic: 1207 Message: 1215

I have no access to Windows. I use cuSDR and ghpsdr3-alex under Linux on
x86_64 and also ghpsdr3-alex on 3 ARM boxes.
73 .... Sid.

On 27/06/14 18:39, Jeff jkelly@... [n2adr-sdr] wrote:
> I just got the apache labs hermes board and want to use it for receive.
> I don't know if you use power sdr but with checking hermes and no Alex
> or Apollo ,
> I get crashes when I change bands. Almost like it wants to control
> some other hardware.
>
> Do I have to set it up special to work only by itself?
>
> Jeff
>
> Sent from my iPad
>
> On Jun 27, 2014, at 12:07 PM, "Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>> Hi Jeff,
>> The last upgrade I did was the 2.9 rbf file using HPSDRProgrammer V2
>> over the network.
>>
>> I have never used the bootloader code, I have always used
>> HPSDRProgrammer.
>>
>> A strange thing happened when I was upgrading, HPSDRProgrammer told
>> me I had Hermes and I think Metis online, so it was detecting the
>> presence of both Hermes (192.168.10.77) and the HiQSDR (192.168.2.196).
>> I was at first puzzled and used a PC that was not connected to the
>> 192.168.2 network before I realised what was happening.
>> 73 ... Sid.
>>
>> On 27/06/14 16:39, 'Jeff Kelly' jkelly@... [n2adr-sdr] wrote:
>>>
>>> Thanks â?,??EURoe on a separate note would you have the Hermes 2.9b
>>> bootloader file for USB Byteblaster?
>>> *From:* mailto:n2adr-sdr@yahoogroups.com
>>> *Sent:* Friday, June 27, 2014 11:31
>>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> *Cc:* Tim O'Rourke <mailto:w4yn@...>
>>> *Subject:* Re: [n2adr-sdr] Eb104
>>>

>>> Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
>>> Apache-Labs Hermes.
>>>
>>> I have not given any thoughts to using it with HiQSDR so far.
>>>
>>> Tim, I can't find the SPI switching circuit one of the guys gave us,
>>> may be that may be what's needed.
>>>
>>> I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
>>> implements GPIO-Module support via SPI which I need to further study.
>>>
>>> May be dl2stg can shed some light on how it's currently being used.
>>> 73 ... Sid.
>>>
>>> On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>>>>
>>>> Hi Sid,
>>>>
>>>> I have a Hermes and I am thinking of getting the EB104 300 watt
>>>> amp.(.3w)
>>>> Would you recommend that amp?
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>>>> Thanks,
>>>>
>>>> Jeff
>>>> k2SDR
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>>>> Sent from my iPad
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>>>
>>>
>>> --
>

--
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1216. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-06-28 05:49:45 UTC
From: Sid Boyce
Topic: 1207 Message: 1216

Thanks Tim,
I'll keep looking this end also. I know I have it but I can't find it.
73 ... Sid.

On 27/06/14 22:13, Tim ORourke wrote:
>
> The was from Check Republic if I remember correct.
>
> At field day this weekend will check next week.
>
> Tim
>
> -----Original Message-----
> From: Sid Boyce
> Sent: Jun 27, 2014 11:31 AM
> To: n2adr-sdr@yahoogroups.com
> Cc: Tim O'Rourke
> Subject: Re: [n2adr-sdr] Eb104
>
> Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
> Apache-Labs Hermes.
>
> I have not given any thoughts to using it with HiQSDR so far.
>
> Tim, I can't find the SPI switching circuit one of the guys gave
> us, may
> be that may be what's needed.
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> I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
> implements GPIO-Module support via SPI which I need to further study.
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> May be dl2stg can shed some light on how it's currently being used.
> 73 ... Sid.
>
> On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
> >
> > Hi Sid,
> >
> > I have a Hermes and I am thinking of getting the EB104 300 watt
> amp.(.3w)
> > Would you recommend that amp?
> >
> > Thanks,
> >
> > Jeff

> > k2SDR
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> > Sent from my iPad
> >
> >
>
>
> --
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> Tim O'Rourke
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1217. RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-29 22:15:59 UTC
From: gvjury@...
Topic: 1217 Message: 1217

Hi all and p0articularly Strfan,

I downloaded and upgraded the firmware on my HiQSDR to FPGA-1.3-SG9 from Stefan DL2STG and quisk reports (from config button) "firmware version 1.87"

I downloaded and compiled RaSDR version 1.3 and was amazed at how little demand was placed on the computer with fpga doing fft processing (about 16% on my netbook) and it runs well except for the area under the cursor which has a very small signal +/- centre frequency which interferes with low level signals. This is not there with Quisk so I was fairly sure that it was a spurri from RaSDR.

To be certain I downloaded and compiled QSDR Version 1.1.0 which had a few compile issues for me. Checking the signals there was no trace of the 2 spurious blips on QSDR centre frequency either.

I am using Linux Mint 17 and the install of QSDR had some problems which may be there for others so briefly the issues are ...

Linux mint uses QMultimediaKit rather than QMultimedia so references need to be altered.
e.g. in qsdrimpl.h references to QtMultimedia were changed to ...
#include <QtMultimediaKit/QAudioInput>
#include <QtMultimediaKit/QAudioOutput>
As the compiler flags others you can change them accordingly I am not sure if there were any more.

The protocol buffers had been compiled with an earlier version than the one with Linux Mint and need to be recompiled so from same directory as trx.cpp ...
protoc --cpp_out=. trx.proto

The Makefile.Release contained -lQtMultimedia as well as -lQtMultimediaKit which stopped the make. I simply deleted the term -lQtMultimedia from it and all compiled and ran fine with the other steps as described by Stefan on his web site. I have not chased up the reason for -lQtMultimedia still being in the makefile yet and may not do so as I will probebly spend my time getting it to compile with Qt5.n.n - if I can:-)

Stefan if you are reading this I would be grateful you could comment on the spurious signals on the centre of RaSDR and if they are there for you or not. I can post screenshots etc. if you need this. Comments form others running RaSDR would be welcome too.

73 Graeme ZL2APV

1218. Re: [n2adr-sdr] RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-29 23:56:02 UTC
From: Sid Boyce
Topic: 1217 Message: 1218

Hovering around 26.5 - 27.5% CPU and 2% memory on the ODROID-U3 with Ubuntu ARM 13.10.

The only thing I can remember was the QtMultimediaKit changes, other than that the build went smoothly.
There is only one oddity, USB TX RF output behaves like CW key down immediately with no speech variation.

With qsdr the settings and menu sections are not visible until clicked - there is just a white background on the settings with just the arrow heads visible, should have been OK as it is on the ODROID-X.

quisk is fully functional - I didn't check on the resources it uses.
73 ... Sid.

On 29/06/14 23:15, gvjury@... [n2adr-sdr] wrote:
>
> Hi all and p0articularly Strfan,
>
> I downloaded and upgraded the firmware on my HiQSDR to FPGA-1.3-SG9
> from Stefan DL2STG and quisk reports (from config button) "firmware
> version 1.87"
>
>
> I downloaded and compiled RaSDR version 1.3 and was amazed at how
> little demand was placed on the computer with fpga doing fft
> processing (about 16% on my netbook) and it runs well except for the
> area under the cursor which has a very small signal +/- centre
> frequency which interferes with low level signals. This is not there
> with Quisk so I was fairly sure that it was a spurri from RaSDR.
>
>
> To be certain I downloaded and compiled QSDR Version 1.1.0 which had a
> few compile issues for me. Checking the signals there was no trace of
> the 2 spurious blips on QSDR centre frequency either.
>
>
> I am using Linux Mint 17 and the install of QSDR had some problems
> which may be there for others so briefly the issues are ...
>
>
> Linux mint uses QMultimediaKit rather than QMultimedia so references
> need to be altered. e.g. in qsdrimpl.h references to QtMultimedia were
> changed to ...
>
> #include <QtMultimediaKit/QAudioInput>

> #include <QtMultimediaKit/QAudioOutput>
>
> As the compiler flags others you can change them accordingly I am not
> sure if there were any more.
>
>
> The protocol buffers had been compiled with an earlier version than
> the one with Linux Mint and need to be recompiled so from same
> directory as trx.cpp ...
>
> protoc --cpp_out=. trx.proto
>
>
> The Makefile.Release contained -lQtMultimedia as well as
> -lQtMultimediaKit which stopped the make. I simply deleted the term
> -lQtMultimedia from it and all compiled and ran fine with the other
> steps as described by Stefan on his web site. I have not chased up the
> reason for -lQtMultimedia still being in the makefile yet and may not
> do so as I will probebly spend my time getting it to compile with
> Qt5.n.n - if I can:-)
>
>
> Stefan if you are reading this I would be grateful you could comment
> on the spurious signals on the centre of RaSDR and if they are there
> for you or not. I can post screenshots etc. if you need this. Comments
> form others running RaSDR would be welcome too.
>
>
> 73 Graeme ZL2APV
>
>
>
>
>

--
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1219. Re: [n2adr-sdr] RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-30 00:22:04 UTC
From: gvjury@...
Topic: 1217 Message: 1219

Hi Sid,

Thanks for the response. You may get a better display from QSDR by using qtconfig-qt4 and choosing clearlooks or windows for the theme. I also find I need to click on the samples to fire up the radio sometimes.

I wonder if you have tried RaSDR Version 1.3 and if you get the 2 little signals each side of centre? It is like hum on the zero frequency on soundcard sdr's. I am wondering if it is hum and just on my radio or if it is a bug in RaSDR? I don't get the blips on any other radio and the only effect I notice with Quisk is that if I receive an AM station dead on the centre frequency, the carrier is gone in the centre notch and similar for a CW signal. It is so rare to coincide the signal with the centre that I have only noticed it once or twice.

73, Graeme

1220. Re: [n2adr-sdr] RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-30 01:16:15 UTC
From: Sid Boyce
Topic: 1217 Message: 1220

rasdr_1.3.0 has been running since your original post. I have been
running it from time to time over the last month.
ls -l /usr/local/bin/rasdr
-rwxr-xr-x 1 root root 259252 May 30 12:48 /usr/local/bin/rasdr

There are 2 feint traces 5KHz either side.

I am in a digital noisy environment with more stuff in the room than you
can shake a stick at so I do expect a bit of noise but they don't cause
trouble.

When I tune to them I can hardly hear anything.
73 ... Sid.

On 30/06/14 01:22, gvjury@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Thanks for the response. You may get a better display from QSDR by
> using qtconfig-qt4 and choosing clearlooks or windows for the theme. I
> also find I need to click on the samples to fire up the radio sometimes.
>
> I wonder if you have tried RaSDR Version 1.3 and if you get the 2
> little signals each side of centre? It is like hum on the zero
> frequency on soundcard sdr's. I am wondering if it is hum and just on
> my radio or if it is a bug in RaSDR? I don't get the blips on any
> other radio and the only effect I notice with Quisk is that if I
> receive an AM station dead on the centre frequency, the carrier is
> gone in the centre notch and similar for a CW signal. It is so rare to
> coincide the signal with the centre that I have only noticed it once
> or twice.
>
> 73, Graeme
>
>

--
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1221. Re: [n2adr-sdr] RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-30 01:26:19 UTC
From: Sid Boyce
Topic: 1217 Message: 1221
Attachments: 1 described; binary payloads are missing from this source WARC

Here is the rasdr snapshot.
73 ... Sid.

On 30/06/14 01:22, gvjury@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Thanks for the response. You may get a better display from QSDR by
> using qtconfig-qt4 and choosing clearlooks or windows for the theme. I
> also find I need to click on the samples to fire up the radio sometimes.
>
> I wonder if you have tried RaSDR Version 1.3 and if you get the 2
> little signals each side of centre? It is like hum on the zero
> frequency on soundcard sdr's. I am wondering if it is hum and just on
> my radio or if it is a bug in RaSDR? I don't get the blips on any
> other radio and the only effect I notice with Quisk is that if I
> receive an AM station dead on the centre frequency, the carrier is
> gone in the centre notch and similar for a CW signal. It is so rare to
> coincide the signal with the centre that I have only noticed it once
> or twice.
>
> 73, Graeme
>
>

--
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1222. Re: [n2adr-sdr] RaSDR

Yahoo group: n2adr-sdr
Date: 2014-06-30 03:03:46 UTC
From: gvjury@...
Topic: 1217 Message: 1222
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Sid,

Here is my screenshot. I moved the frequency so the waterfall under the cursor was exposed for the sake of the screenshot. As you can see there is a very small signal of a few hertz showing up each side of centre.

73 Graeme

1223. Re: [n2adr-sdr] RaSDR [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2014-06-30 11:42:09 UTC
From: Sid Boyce
Topic: 1217 Message: 1223

Strange you have exactly the same mush at 14.211 as I have.

I had thought that it was locally generated but it must be internally generated. It's peaking S7.

I don't have the spike at 14.02389. Someone has just started transmitting CQ on that frequency RST 539.
73 ... Sid.

On 30/06/14 04:03, gvjury@... [n2adr-sdr] wrote:
>
> Thanks Sid,
>
> Here is my screenshot. I moved the frequency so the waterfall under
> the cursor was exposed for the sake of the screenshot. As you can see
> there is a very small signal of a few hertz showing up each side of
> centre.
>
> 73 Graeme
>
>

--
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1224. Re: RaSDR

Yahoo group: n2adr-sdr
Date: 2014-07-01 08:18:03 UTC
From: yaho1@...
Topic: 1217 Message: 1224

Hi,

the blips on center are rounding errors in decimation data, only used for the fft and waterfall representation (internal representation is 18 bit, the output for waterfall is only 16 bit width).

73
Stefan

1225. Re: [n2adr-sdr] Re: RaSDR

Yahoo group: n2adr-sdr
Date: 2014-07-01 11:14:28 UTC
From: Sid Boyce
Topic: 1217 Message: 1225

Thanks Stefan,
I have one strange happening I can't explain - turning on TX in USB immediately outputs a signal with full power deflection, exactly like key down in CW mode.
73 ... Sid.
On 01/07/14 09:18, yaho1@... [n2adr-sdr] wrote:
>
> Hi,
>
> the blips on center are rounding errors in decimation data, only used
> for the fft and waterfall representation (internal representation is
> 18 bit, the output for waterfall is only 16 bit width).
>
> 73
> Stefan
>
>

--
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1226. qsdr-1.1.0 build

Yahoo group: n2adr-sdr
Date: 2014-07-01 11:39:53 UTC
From: Sid Boyce
Topic: 1217 Message: 1226

Changed the subject from rasdr
==========
In trying to rebuild qsdr on ARM I had to make changes you outlined
below for QtMultimediaKit.

I also got some protobuf errors during make, fixed with the following
as the source trx.proto was built with an older version of protobuf:-
"sudo apt-get install protobuf-compiler"

In the qsdr directory:-
"protoc --proto_path=./ --cpp_out=./ --java_out=./ --python_out=./
./trx.proto"

I'll have to try rebuilding on x86_64, fairly sure I'll hit the same
problem.
73 ... Sid.

On 29/06/14 23:15, gvjury@... [n2adr-sdr] wrote:
>
> Hi all and p0articularly Strfan,
>
> I downloaded and upgraded the firmware on my HiQSDR to FPGA-1.3-SG9
> from Stefan DL2STG and quisk reports (from config button) "firmware
> version 1.87"
>
>
> I downloaded and compiled RaSDR version 1.3 and was amazed at how
> little demand was placed on the computer with fpga doing fft
> processing (about 16% on my netbook) and it runs well except for the
> area under the cursor which has a very small signal +/- centre
> frequency which interferes with low level signals. This is not there
> with Quisk so I was fairly sure that it was a spurri from RaSDR.
>
>
> To be certain I downloaded and compiled QSDR Version 1.1.0 which had a
> few compile issues for me. Checking the signals there was no trace of
> the 2 spurious blips on QSDR centre frequency either.
>
>
> I am using Linux Mint 17 and the install of QSDR had some problems
> which may be there for others so briefly the issues are ...
>
>
> Linux mint uses QMultimediaKit rather than QMultimedia so references
> need to be altered. e.g. in qsdrimpl.h references to QtMultimedia were
> changed to ...

>
> #include <QtMultimediaKit/QAudioInput>
> #include <QtMultimediaKit/QAudioOutput>
>
> As the compiler flags others you can change them accordingly I am not
> sure if there were any more.
>
>
> The protocol buffers had been compiled with an earlier version than
> the one with Linux Mint and need to be recompiled so from same
> directory as trx.cpp ...
>
> protoc --cpp_out=. trx.proto
>
>
> The Makefile.Release contained -lQtMultimedia as well as
> -lQtMultimediaKit which stopped the make. I simply deleted the term
> -lQtMultimedia from it and all compiled and ran fine with the other
> steps as described by Stefan on his web site. I have not chased up the
> reason for -lQtMultimedia still being in the makefile yet and may not
> do so as I will probebly spend my time getting it to compile with
> Qt5.n.n - if I can:-)
>
>
> Stefan if you are reading this I would be grateful you could comment
> on the spurious signals on the centre of RaSDR and if they are there
> for you or not. I can post screenshots etc. if you need this. Comments
> form others running RaSDR would be welcome too.
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> 73 Graeme ZL2APV
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1227. Re: [n2adr-sdr] qsdr-1.1.0 build and some general Linux ideas.

Yahoo group: n2adr-sdr
Date: 2014-07-01 13:48:48 UTC
From: Sid Boyce
Topic: 1217 Message: 1227

As an after thought I would advise authors to keep current with their distros as sometimes radical changes obsolete parts of their source code. Added to what the distros supply like ortp, there are many of the ancillaries such as codec2, gnuradio, etc. making changes.

There is a tendency for some developers to develop their apps without regard to what the underlying OS is doing that obsoletes their code when attempts to build it on updated distro versions. Developing on Ubuntu 12.04 may not play well with installs of 14.04.

My boxes started at Ubuntu 11.04 and have been progressively upgraded to 14.04, likewise with openSUSE from 11.0.Milestone1 to 13.2 Milestone 0, Fedora 19 to 20.
As Linus said, the only constant in Linux is change.

In the last 2 decades of upgrading I have seen far more problems generated by not upgrading than by upgrading. There have been innumerable instances when the only recommendation has been to upgrade, more often than not the kernel.

Many times weekly I check and do upgrades. Yesterday 476 updates done to openSUSE which is the most active with sometimes hundreds daily and today so far 37.
Fedora 20 after the last update 2 days ago now has done 73 more. Ubuntu is extremely quiet by comparison but all are extremely stable.

On ARM I have had to convert cuSDR32 source files from qreal to double with " find . -type f -print0 | xargs -0 sed -i 's/qreal/double/g'" - that's 's/qreal/double/g' but there is still one error I have not yet found a fix for.

One big gotcha for people changing distros is package names which are always very different, e.g yesterday on the beagleboard list there was one guy wanting to install qt-embedded (Angstrom) on Ubuntu and wanted to know how to install opkg - think apt-get in Ubuntu, NO WAY! as there is no opkg or qt-embedded in Ubuntu and he had tried "sudo apt-get install qt-embedded".
I had to advise "sudo apt-get install qt4-default" and "apt-cache search qt4" in case additional packages were needed.

e.g Use "apt-cache search qt" in Ubuntu, "yum search qt" in Fedora, "zypper se qt" in openSUSE to see what is on offer. Using the Ubuntu full package names like libqt4-gui to search in any other distro yields nothing so search terms have to be truncated to something like qt or qt4 to find what you are after.

If you get comfortable using yum in Fedora, dnf which is available, is
set to obsolete it.

If you follow what's happening in Ubuntu, they are about to switch from
upstart to systemd which first Fedora did and later openSUSE. That's a
big change until you get familiar with it.
http://www.zdnet.com/after-linux-civil-war-ubuntu-to-adopt-systemd-7000026373/

openSUSE using wicked for network configuration I have just got used to.
I found early dracut only worked with openSUSE kernels so I backed off
to using mkinitrd for vanilla kernels, so another bash at dracut is on
my todo list.
What Ubuntu does is way off the scale compared to the others, mostly
different and bad but only occasionally good.
73 ... Sid.

On 01/07/14 12:39, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Changed the subject from rasdr
> ==================
> In trying to rebuild qsdr on ARM I had to make changes you outlined
> below for QtMultimediaKit.
>
> I also got some protobuf errors during make, fixed with the following
> as the source trx.proto was built with an older version of protobuf:-
> "sudo apt-get install protobuf-compiler"
>
> In the qsdr directory:-
> "protoc --proto_path=./ --cpp_out=./ --java_out=./ --python_out=./
> ./trx.proto"
>
> I'll have to try rebuilding on x86_64, fairly sure I'll hit the same
> problem.
> 73 ... Sid.
>
> On 29/06/14 23:15, gvjury@... [n2adr-sdr] wrote:
>>
>> Hi all and p0articularly Strfan,
>>
>> I downloaded and upgraded the firmware on my HiQSDR to FPGA-1.3-SG9
>> from Stefan DL2STG and quisk reports (from config button) "firmware
>> version 1.87"
>>
>>
>> I downloaded and compiled RaSDR version 1.3 and was amazed at how
>> little demand was placed on the computer with fpga doing fft
>> processing (about 16% on my netbook) and it runs well except for the
>> area under the cursor which has a very small signal +/- centre
>> frequency which interferes with low level signals. This is not there
>> with Quisk so I was fairly sure that it was a spurri from RaSDR.
>>
>>

>> To be certain I downloaded and compiled QSDR Version 1.1.0 which had
>> a few compile issues for me. Checking the signals there was no trace
>> of the 2 spurious blips on QSDR centre frequency either.
>>
>>
>> I am using Linux Mint 17 and the install of QSDR had some problems
>> which may be there for others so briefly the issues are ...
>>
>>
>> Linux mint uses QMultimediaKit rather than QMultimedia so references
>> need to be altered. e.g. in qsdrimpl.h references to QtMultimedia
>> were changed to ...
>>
>> #include <QtMultimediaKit/QAudioInput>
>> #include <QtMultimediaKit/QAudioOutput>
>>
>> As the compiler flags others you can change them accordingly I am not
>> sure if there were any more.
>>
>>
>> The protocol buffers had been compiled with an earlier version than
>> the one with Linux Mint and need to be recompiled so from same
>> directory as trx.cpp ...
>>
>> protoc --cpp_out=. trx.proto
>>
>>
>> The Makefile.Release contained -lQtMultimedia as well as
>> -lQtMultimediaKit which stopped the make. I simply deleted the term
>> -lQtMultimedia from it and all compiled and ran fine with the other
>> steps as described by Stefan on his web site. I have not chased up
>> the reason for -lQtMultimedia still being in the makefile yet and may
>> not do so as I will probebly spend my time getting it to compile with
>> Qt5.n.n - if I can:-)
>>
>>
>> Stefan if you are reading this I would be grateful you could comment
>> on the spurious signals on the centre of RaSDR and if they are there
>> for you or not. I can post screenshots etc. if you need this.
>> Comments form others running RaSDR would be welcome too.
>>
>>
>> 73 Graeme ZL2APV
>>
>>
>>
>>
>
>
> --

> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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--
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1228. Quisk on Windows

Yahoo group: n2adr-sdr
Date: 2014-07-03 22:26:19 UTC
From: Ron
Topic: 1228 Message: 1228
Attachments: 2 described; binary payloads are missing from this source WARC

Hi,

I posted the following message on the softrock40 group and received a response from Syd Boyce which I have also included in this post.

My original post to the softrock40 group:
/ I have finally gotten back to investigating using the Peaberry with Quisk. No joy yet. Quisk responds with "no permission to access softrock usb interface". This is on a Win 7 machine. All other SDR programs I have been using have no issues (HDSDR, PowerSDR, Rocky ...). I have obviously missed something as other users have been successful with Quisk on Windows. I have attached a screen shot and the configuration I am using.//
//Any ideas will be greatly appreciated. //
/
Syd's response:

/Looking at the Peaberry circuit diagram and the set up instructions it seems the USB connection appears as a sound card and si570 pretty much like the SDR-Widget.//
//With the SDR-Widget, python claims the USB for the sound card part and locks out access to the si570.//
//Jim does not have access to a SDR-Widget so he was unable to work on the problem to get access to composite USB devices - likewise with the Peaberry.//
//Whoever supplied the Peaberry config would be the appropriate person to ask. He may be named in the documentation.//
//With the SDR-Widget under Linux it was left with me to use the VK6JBL changes and the config file as a workaround.//
//I don't know if they will work with Windows.//
//I'm told that WinZip can extract .tgz files. Use quisk_conf.py_Softrock_UHFSDR as the template for the Peaberry quisk_conf.py (set si570_direct_control = True) and copy the stuff from the softrock directory to the softrock directory in quisk.//
//You can give it a try - under Linux I only ever used "si570_direct_control = False" and the usbsoftrock utility.//
/
/73 ... Sid. /

I have attached a screen shot of quisk reporting the error. Also attached is my quisk configuration. Other than what Syd has mentioned above, I am at a total lost as to what the next step(s) is. (David AE9RB , has indicated that quisk version 3.6.10 did work on Windows and perhaps regression may have occurred). I'm hoping someone on this board may have an insight as to how to correct this issue.

Thanks,

-- 73 Ron / W4MMP

1229. Re: [n2adr-sdr] PowerSDR with HiQSDR

Yahoo group: n2adr-sdr
Date: 2014-07-12 02:58:16 UTC
From: 7L4IOU@...
Topic: 1041 Message: 1229

Hi Stefan,

Very nice!
combinations are working satisfactorily smooth.

tnx & 73, Hisami 7L4IOU

>Hi,
>
>i have programmed a little command line tool for windows: HpHiq
>
>It is a HPSDR protocol emulator for HiQSDR and make the HiQSDR usable
>with PowerSDR. It is easy to use, no options (except hiqsdr ip), no gui,
>just start it.
>
>
>http://dl2stg.de/stefan/hiqsdr/tools.html
>
>73
>Stefan, DL2STG
>
>

1230. Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-19 09:26:02 UTC
From: Sid Boyce
Topic: 1230 Message: 1230

Resending to the group as mail to Stefan doesn't seem to have made it.
73 ... Sid.

On 14/07/14 01:47, Sid Boyce wrote:
> Hi Stefan,
> I have been looking at your setup with great interest.
>
> I need a copy of your SD card image.
> Also circuit details of the ATmega32 and any connection diagrams.
> 73 ... Sid.
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1231. Re: [n2adr-sdr] Eb104

Yahoo group: n2adr-sdr
Date: 2014-07-19 15:26:03 UTC
From: Sid Boyce
Topic: 1207 Message: 1231

I found it under https://groups.yahoo.com/neo/groups/apache-labs/files
_Relay Control BCD_Dec..pdf
73 ... Sid.

On 28/06/14 06:49, Sid Boyce wrote:
> Thanks Tim,
> I'll keep looking this end also. I know I have it but I can't find it.
> 73 ... Sid.
>
> On 27/06/14 22:13, Tim ORourke wrote:
>>
>> The was from Check Republic if I remember correct.
>>
>> At field day this weekend will check next week.
>>
>> Tim
>>
>> -----Original Message-----
>> From: Sid Boyce
>> Sent: Jun 27, 2014 11:31 AM
>> To: n2adr-sdr@yahoogroups.com
>> Cc: Tim O'Rourke
>> Subject: Re: [n2adr-sdr] Eb104
>>
>> Both Tim (W4YN) and I use the 300W PA/LPF and BPF boards with
>> Apache-Labs Hermes.
>>
>> I have not given any thoughts to using it with HiQSDR so far.
>>
>> Tim, I can't find the SPI switching circuit one of the guys gave
>> us, may
>> be that may be what's needed.
>>
>> I had a quick look at the latest fpga_ver3-sg9.tgz firmware which
>> implements GPIO-Module support via SPI which I need to further study.
>>
>> May be dl2stg can shed some light on how it's currently being used.
>> 73 ... Sid.
>>
>> On 27/06/14 14:53, Jeff jkelly@... [n2adr-sdr] wrote:
>> >
>> > Hi Sid,
>> >
>> > I have a Hermes and I am thinking of getting the EB104 300 watt
>> amp.(.3w)

>> > Would you recommend that amp?
>> >
>> > Thanks,
>> >
>> > Jeff
>> > k2SDR
>> >
>> > Sent from my iPad
>> >
>> >
>>
>>
>> --
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>> Senior Staff Specialist, Cricket Coach
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>>
>> Tim O'Rourke
>> W4YN@...
>> Low Power Amateur Radio Rocks
>> Member of Flying Pigs,ARCI,GQRP,RSGB,ARRL Life Member
>> NHRA Life Member
>
>
> --
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1232. Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-19 18:32:02 UTC
From: hgoebkes@...
Topic: 1230 Message: 1232

Hi Sid, Hi Group,

Stefan (DL2STG) has released his new Firmware (running with Quisk and RASDR) and
his new Version of RASDR.
Stefan is very busy so i try to explain some details here for a better understanding.

This Versions supports external user GPIO via SPI. SPI Interface is included
on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso) pin 52 (spi_clk)
This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
Attention! Be carefull because all signals are 3.3V LVCMOS and directly connected to the
FPGA!
spi communication is done via 32 bit Frames (4Bytes)
containing address, controls and 16 Bits of data. The spi clock rate is 250kbit/sec
but usable up to 2 MBit/sec. Data changes are transferred
via small UDP packets all 10mS not to overload the RasPi
For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.

This released version is not the end of the game. just the first "light".

Currently it basically supports 3 Encoders (on high Resolution Encoder for frequency
adjustments
and two low-resolution encoders (16 Steps/rev) for menue selections and
currently one analog value connected to a potentiometer to adjust AF.
Stefan had implemented this for his own HiQSDR transceiver on a Arduino,
(See his beautiful TRX on his WebSite!) but this interface is running also on the
shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital switches/buttons
and 8 digital outputs. This HiQGPIO fits directly behind the front
of the HiQTRX-10 frontpanel and includes a small graphic LCD
for some informational readouts and the VFO Encoder with knob
(high resolution magnetic type, 128 Steps/rev)
The HiQGPIO contains also the interface to the HiPPA to get working parameters
from it via buffered I2C and a Serial Interface (RS-232)

RASDR is a very versatile GUI for HiQSDR and is also capable to run stand alone
on a raspberry pi with Linux supporting >= 7" grafical LCD connected to the HDMI
and allows stand alone operation without PC, only a cheap USB soundstick must be
connected to the RasPi.
RASDR do his job very sucessfully on a RasPi, all Filters loaded dynamically
in this mode, so the Raspi has no Problem to deal with Waterfall display, Sound & so on.
RASDR also has selectable FFT sizes and 2 AutoNotches as well as frequency Memorys.
All RX and TX Modes are supported, 2.Tone test signals are generated a.s.o.
The new Firmware & RASDR is written from Stefan, DL2STG (he has really done a very fine
Job!!)
supports dynamically loadable filter coefficents to support RASDR on RASPI
as well a full compatible mode for QUISK and other GUI's for HiQSDR.

He also had written a Interface to the HPSDR Protocol who allows the
HiQSDR to operate with PowerSDR too.

I am using a RasPi with a 7" LCD now for some month and this combination works perfectly.
I built this in a small desktop case and connect this "stand alone termínal" only via
Ethernet
and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station in a different
room (sometimes via WLAN) to do QSOs.

Schematics to connect the RASPI, LCD and further informations as well as
schematics of the HiQGPIO and the Firmware for HiQGPIO are released
shortly here in this Group.

Sorry to be quiet for a prolonged time, but we had a lot of work to make new
Modules and Software for HiQSDR available!

Helmut, DB1CC

1233. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-19 19:40:52 UTC
From: Sid Boyce
Topic: 1230 Message: 1233

Thanks Helmut.
I already have rasdr-1.3.0 installed on an ODROID-X and ODROID-U3 and fpga_ver3-sg9.tgz up and running. I also have gpio.tgz but no STK500 so perhaps a ihex file could be made available along with the avr32 circuit. I have a stash of 128 Steps/rev rotary encoders somewhere around, the mechanical ones I can get from RS Components.

I also have a spare Raspberry Pi available or I could use the ODROID-X which is only a little larger.

I got a 7" touch screen from pollin.de. Touch works but no screen display from either Raspberry Pi or ODROID-X. They reckon the HDMI port won't work with either Raspberry Pi or ODROID and suggested using the DVI port with a DVI to HDMI adatper.

That does not work either and I am thinking it's either a fault on the controller board or the LCD itself.
No problem hooking those boards up to a large screenHDMI monitor.
73 ... Sid.

On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>
> Hi Sid, Hi Group,
>
>
> Stefan (DL2STG) has released his new Firmware (running with Quisk and
> RASDR) and
>
> his new Version of RASDR.
>
> Stefan is very busy so i try to explain some details here for a better
> understanding.
>
>
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>
> on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso)
> pin 52 (spi_clk)
>
> This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
>
> Attention! Be carefull because all signals are 3.3V LVCMOS and
> directly connected to the FPGA!
>
> spi communication is done via 32 bit Frames (4Bytes)

>
> containing address, controls and 16 Bits of data. The spi clock rate
> is 250kbit/sec
>
> but usable up to 2 MBit/sec. Data changes are transferred
>
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> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.
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>
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>
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>
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>
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>
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> The HiQGPIO contains also the interface to the HiPPA to get working
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>
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>
>
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>
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>
> and allows stand alone operation without PC, only a cheap USB
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>
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>
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1234. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-20 08:19:58 UTC
From: <hgoebkes@...>
Topic: 1230 Message: 1234

Hi Sid,

i have also a POLLIN 7" Touchscreen LCD here and it runs on RasPi without problems on HDMI, so i think yours is defektive!

Helmut

From: Sid Boyce g3vbv@... [n2adr-sdr]
Sent: Saturday, July 19, 2014 9:40 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

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1235. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-20 13:11:16 UTC
From: Sid Boyce
Topic: 1230 Message: 1235

Thanks Helmut,
I also reached the same conclusion after their suggestion of using a DVI to HDMI adapter didn't work.

PA3biy is also using an ODROID-U3 with the same LCD using the HDMI port and it works. He got it recently.
Mine is completely dead as it does not power up. I'll check the 2 voltage regulators on the board as Peter said he had them fail on the first one he received.

I told them it did not power up but this is what their techies suggested:-

Regarding to our technicians the new version of the displays cannot be connected to ODROID or Raspberry.

But it would work with a DVI-Adapter. (HDMI to DVI, for example our article 720967)

73 ... Sid.

On 20/07/14 09:19, hgoebkes@... [n2adr-sdr] wrote:
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> <mailto:g3vbv@...%20[n2adr-sdr]>
> *Sent:* Saturday, July 19, 2014 9:40 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
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>> is 250kbit/sec
>>
>> but usable up to 2 MBit/sec. Data changes are transferred
>>
>> via small UDP packets all 10mS not to overload the RasPi
>>
>> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.
>>
>>
>> This released version is not the end of the game. just the first "light".
>>
>>

>> Currently it basically supports 3 Encoders (on high Resolution
>> Encoder for frequency adjustments
>>
>> and two low-resolution encoders (16 Steps/rev) for menue selections and
>>
>> currently one analog value connected to a potentiometer to adjust AF.
>>
>> Stefan had implemented this for his own HiQSDR transceiver on a Arduino,
>>
>> (See his beautiful TRX on his WebSite!) but this interface is running
>> also on the
>>
>> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
>>
>> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
>> switches/buttons
>>
>> and 8 digital outputs. This HiQGPIO fits directly behind the front
>>
>> of the HiQTRX-10 frontpanel and includes a small graphic LCD
>>
>> for some informational readouts and the VFO Encoder with knob
>>
>> (high resolution magnetic type, 128 Steps/rev)
>>
>> The HiQGPIO contains also the interface to the HiPPA to get working
>> parameters
>>
>> from it via buffered I2C and a Serial Interface (RS-232)
>>
>>
>> RASDR is a very versatile GUI for HiQSDR and is also capable to run
>> stand alone
>>
>> on a raspberry pi with Linux supporting >= 7" grafical LCD connected
>> to the HDMI
>>
>> and allows stand alone operation without PC, only a cheap USB
>> soundstick must be
>>
>> connected to the RasPi.
>>
>> RASDR do his job very sucessfully on a RasPi, all Filters loaded
>> dynamically
>>
>> in this mode, so the Raspi has no Problem to deal with Waterfall
>> display, Sound & so on.
>>
>> RASDR also has selectable FFT sizes and 2 AutoNotches as well as
>> frequency Memorys.

>>
>> All RX and TX Modes are supported, 2.Tone test signals are generated
>> a.s.o.
>>
>> The new Firmware & RASDR is written from Stefan, DL2STG (he has
>> really done a very fine Job!!)
>>
>> supports dynamically loadable filter coefficents to support RASDR on
>> RASPI
>>
>> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>>
>> He also had written a Interface to the HPSDR Protocol who allows the
>>
>> HiQSDR to operate with PowerSDR too.
>>
>>
>> I am using a RasPi with a 7" LCD now for some month and this
>> combination works perfectly.
>>
>> I built this in a small desktop case and connect this "stand alone
>> termínal" only via Ethernet
>>
>> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station
>> in a different
>>
>> room (sometimes via WLAN) to do QSOs.
>>
>>
>> Schematics to connect the RASPI, LCD and further informations as well as
>>
>> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
>>
>> shortly here in this Group.
>>
>>
>> Sorry to be quiet for a prolonged time, but we had a lot of work to
>> make new
>>
>> Modules and Software for HiQSDR available!
>>
>>
>> Helmut, DB1CC
>>
>>
>>
>>
>>
>>
>
>

> --
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> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
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1236. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-21 14:28:38 UTC
From: dh5ym@...
Topic: 1230 Message: 1236

Hi Sid,

my pollin display is working with my Cubieboard. There is no reason why it should not work. Do you have a chance to return it to Pollin for exchange ? Thats a pitti that it happens at your side since the shipment is far more expensive on your side than for germans.

regards
Mario

1237. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-07-21 21:52:24 UTC
From: Sid Boyce
Topic: 1230 Message: 1237

Hi Mario,
I sent an email over the weekend but have not yet received a reply.

Cost of shipping is not very expensive.
73 ... Sid.

On 21/07/14 15:28, dh5ym@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> my pollin display is working with my Cubieboard. There is no reason
> why it should not work.
> Do you have a chance to return it to Pollin for exchange ? Thats a
> pitti that it happens at your side since the shipment is far more
> expensive on your side than for germans.
>
> regards
> Mario
>
>

--
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1238. CW in PowerSDR with HpHiq

Yahoo group: n2adr-sdr
Date: 2014-08-18 22:50:22 UTC
From: Gena Pechen
Topic: 1238 Message: 1238

Hi friends,

I'm new in this group.

I tested my HIQSDR transceiver with PowerSDR and HpHiq tool. The radio is transmitting on SSB, but in CW mode has not RF signal and I don't hear sidetone. Is it bug HpHiq or it is my mistake? Any suggestions are welcome.

73 de Gena, EW1EA.

1239. Re: CW in PowerSDR with HpHiq

Yahoo group: n2adr-sdr
Date: 2014-08-19 01:12:46 UTC
From: gvjury@...
Topic: 1238 Message: 1239

Hi Gena,Welcome to the group. I send my CW from the HiQSDR board itself. When sending from my log software (CQRLog by OK2CQR) I simply parallel the output of my serial port to my keyer using open collector transistors. I use the sidetone from the keyer which stops me being confused by the latency of the network. If your HiQSDR is remote from your computer then yes it is necessary to run CW via the SDR. I am not much help here as I am Linux only and use Quisk and the radios by Stefan DL2STG.GL es 73 Graeme ZL2APV

1240. Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-10 08:17:35 UTC
From: gvjury@...
Topic: 1240 Message: 1240

I got this window popped up in Quisk. I was talking with VOX - first syllable. After closing Quisk (it didn't crash) I ran it again and got the same error. I continued using Quisk for a QSO with no problems

```
$ uname -a
Linux gvj-Mint 3.13.0-24-generic #47-Ubuntu SMP Fri May 2 23:30:00 UTC 2014 x86_64 x86_64
x86_64 GNU/Linux

Exception in thread Thread-2:
Traceback (most recent call last):
File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
self.run()
File "./dxcluster.py", line 91, in run
self.telnetConnect()
File "./dxcluster.py", line 109, in telnetConnect
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
File "/usr/lib/python2.7/telnetlib.py", line 227, in open
self.sock = socket.create_connection((host, port), timeout)
File "/usr/lib/python2.7/socket.py", line 553, in create_connection
for res in getaddrinfo(host, port, 0, SOCK_STREAM):
gaierror: [Errno -2] Name or service not known
```

73, Graeme ZL2APV

1241. Re: [n2adr-sdr] Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-11 02:17:09 UTC
From: Sid Boyce
Topic: 1240 Message: 1241

Not seen here with 3.6.18 on openSUSE x86_64 or Ubuntu 14.04 on
ODROID-U3 and I have used VOX on both.
73 ... Sid.

On 10/09/14 09:17, gvjury@... [n2adr-sdr] wrote:
>
> I got this window popped up in Quisk. I was talking with VOX - first
> syllable. After closing Quisk (it didn't crash) I ran it again and got
> the same error. I continued using Quisk for a QSO with no problems
>
> $ uname -a
> Linux gvj-Mint 3.13.0-24-generic #47-Ubuntu SMP Fri May 2 23:30:00 UTC
> 2014 x86_64 x86_64 x86_64 GNU/Linux
>
>
>
> Exception in thread Thread-2:
> Traceback (most recent call last):
> File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
> self.run()
> File "./dxcluster.py", line 91, in run
> self.telnetConnect()
> File "./dxcluster.py", line 109, in telnetConnect
> self.tn.open(conf.dxClHost, conf.dxClPort, 10)
> File "/usr/lib/python2.7/telnetlib.py", line 227, in open
> self.sock = socket.create_connection((host, port), timeout)
> File "/usr/lib/python2.7/socket.py", line 553, in create_connection
> for res in getaddrinfo(host, port, 0, SOCK_STREAM):
> gaierror: [Errno -2] Name or service not known
>
> 73, Graeme ZL2APV
>
>

--
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1242. Re: [n2adr-sdr] Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-11 05:20:18 UTC
From: Mike
Topic: 1240 Message: 1242

Ill try Vox soon enuff ...

Im running OdroidX2 with Archlinux ....

On 09/10/2014 07:17 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Not seen here with 3.6.18 on openSUSE x86_64 or Ubuntu 14.04 on
> ODROID-U3 and I have used VOX on both.
> 73 ... Sid.
>
> On 10/09/14 09:17, gvjury@gmail.com [n2adr-sdr] wrote:
>>
>> I got this window popped up in Quisk. I was talking with VOX - first
>> syllable. After closing Quisk (it didn't crash) I ran it again and
>> got the same error. I continued using Quisk for a QSO with no problems
>>
>> $ uname -a
>> Linux gvj-Mint 3.13.0-24-generic #47-Ubuntu SMP Fri May 2 23:30:00
>> UTC 2014 x86_64 x86_64 x86_64 GNU/Linux
>>
>>
>>
>> Exception in thread Thread-2:
>> Traceback (most recent call last):
>> File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
>> self.run()
>> File "./dxcluster.py", line 91, in run
>> self.telnetConnect()
>> File "./dxcluster.py", line 109, in telnetConnect
>> self.tn.open(conf.dxClHost, conf.dxClPort, 10)
>> File "/usr/lib/python2.7/telnetlib.py", line 227, in open
>> self.sock = socket.create_connection((host, port), timeout)
>> File "/usr/lib/python2.7/socket.py", line 553, in create_connection
>> for res in getaddrinfo(host, port, 0, SOCK_STREAM):
>> gaierror: [Errno -2] Name or service not known
>>
>> 73, Graeme ZL2APV
>>
>
>
> --
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> Senior Staff Specialist, Cricket Coach
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>

--
Mike KC7NOA

1243. Re: [n2adr-sdr] Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-11 12:59:55 UTC
From: Sid Boyce
Topic: 1240 Message: 1243

You may have to do adjustments - I only had to adjust the VOX hold time.
Config --> TX Audio

My settings:
Audio level that triggers VOX -20dB
Time to hold VOX after end of audio 0.50 seconds
Clip 5
Preemphasis 0.70.
73 ... Sid.

On 11/09/14 06:20, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Ill try Vox soon enuff ...
>
> Im running OdroidX2 with Archlinux ....
>
>
> On 09/10/2014 07:17 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>> Â
>>
>> Not seen here with 3.6.18 on openSUSE x86_64 or Ubuntu 14.04 on
>> ODROID-U3 and I have used VOX on both.
>> 73 ... Sid.
>>
>> On 10/09/14 09:17, gvjury@... [n2adr-sdr] wrote:
>>> Â
>>>
>>> I got this window popped up in Quisk. I was talking with VOX - first
>>> syllable. After closing Quisk (it didn't crash) I ran it again and
>>> got the same error. I continued using Quisk for a QSO with no problems
>>>
>>> $ uname -a
>>> Linux gvj-Mint 3.13.0-24-generic #47-Ubuntu SMP Fri May 2 23:30:00
>>> UTC 2014 x86_64 x86_64 x86_64 GNU/Linux
>>>
>>>
>>>
>>> Exception in thread Thread-2:
>>> Traceback (most recent call last):
>>> Â File "/usr/lib/python2.7/threading.py", line 810, in
>>> __bootstrap_inner
>>> Â Â Â self.run()
>>> Â File "./dxcluster.py", line 91, in run
>>> Â Â Â self.telnetConnect()

>>> Â File "./dxcluster.py", line 109, in telnetConnect
>>> Â Â Â self.tn.open(conf.dxClHost, conf.dxClPort, 10)
>>> Â File "/usr/lib/python2.7/telnetlib.py", line 227, in open
>>> Â Â Â self.sock = socket.create_connection((host, port), timeout)
>>> Â File "/usr/lib/python2.7/socket.py", line 553, in create_connection
>>> Â Â Â for res in getaddrinfo(host, port, 0, SOCK_STREAM):
>>> gaierror: [Errno -2] Name or service not known
>>>
>>> 73, Graeme ZL2APV
>>>
>>
>>
>> --
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>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> --
> Mike KC7NOA
>

--
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1244. Re: [n2adr-sdr] Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-11 22:43:59 UTC
From: gvjury@...
Topic: 1240 Message: 1244

Looks like the error was a one off and has not happened again. I asm wondering if I ran Quisk up too soon while booting the computer as of course things are still happening even though the screen looks normal.

Re the VOX my settings are

VOX Level = -11
Vox hold time = .88
Clipping = 15
Pre-emphasis = 0.75

Even with high clipping my audio reports are of higher than average quality.

I also get mysterious crashes but rarely and usually associated with browsing with Firefox. After restarting Quisk I have never had it crash again on the same session.

73 Graeme ZL2APV

1245. Re: [n2adr-sdr] Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-11 23:51:54 UTC
From: Sid Boyce
Topic: 1240 Message: 1245

OK Graeme,
No crashes here and I have had quisk-3.6.18 up from since you posted the problem and it's still AOK.
73 ... Sid.

On 11/09/14 23:43, gvjury@... [n2adr-sdr] wrote:
>
> Looks like the error was a one off and has not happened again. I asm
> wondering if I ran Quisk up too soon while booting the computer as of
> course things are still happening even though the screen looks normal.
>
> Re the VOX my settings are
>
> VOX Level = -11
> Vox hold time = .88
> Clipping = 15
> Pre-emphasis = 0.75
>
> Even with high clipping my audio reports are of higher than average
> quality.
>
> I also get mysterious crashes but rarely and usually associated with
> browsing with Firefox. After restarting Quisk I have never had it
> crash again on the same session.
>
> 73 Graeme ZL2APV
>
>

--
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1246. Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 10:30:22 UTC
From: andrea montefusco
Topic: 1246 Message: 1246

Hi all,

asking here about Quisk on Odroid (maybe slightly off-topic).

I am doing some experiments with my Odroids (X2 and XU), running Quisk
and FunCube Pro+ @192kHz.

Whilst on XU Quisk is working quite well, on X2 the audio is
intermittently heard.

I already tried to comment out all the Quisk's drawing routines
(OnPaint methods), as I am using it without display, using an external
TX with tuning knob, but the performance improves only marginally.
I even compile using compiler options specific to ARM (the same we are
using in ghpsd3-alex project) and the CPU load diminish but the audio
is always not good.

Can someone suggest some compiler options and/or a recent system image for X2 ?
(Now it runs a very old Linaro 12.11)

Many thanks in advance

am

--
Andrea Montefusco IW0HDV

As my old boss, an Apollo veteran, would often remind us “It’s good to
be smart, but it’s better to be lucky.”
Wayne Hale, Space Shuttle Flight Director

1247. Re: [n2adr-sdr] PowerSDR with HiQSDR

Yahoo group: n2adr-sdr
Date: 2014-09-13 12:24:47 UTC
From: andrea montefusco
Topic: 1041 Message: 1247

Hi Stefan,
is the source available somewhere ?
I would be interested to extend it to other hardware.

am

On Thu, Jan 23, 2014 at 12:20 PM, dl2stg <yaho1@...> wrote:
> Hi,
>
> i have programmed a little command line tool for windows: HpHiq
>
> It is a HPSDR protocol emulator for HiQSDR and make the HiQSDR usable
> with PowerSDR. It is easy to use, no options (except hiqsdr ip), no gui,
> just start it.
>
>
> http://dl2stg.de/stefan/hiqsdr/tools.html
>

--
Andrea Montefusco IW0HDV

As my old boss, an Apollo veteran, would often remind us “It’s good to
be smart, but it’s better to be lucky.”
Wayne Hale, Space Shuttle Flight Director

1248. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 13:19:51 UTC
From: Mike
Topic: 1246 Message: 1248

Are you trying to use the onboard sound or external ?

i can only get onboard sound for 2 seconds with my Odroid-X2 then stops with Quisk ... then i haft to close the program and open again.
..... ghpsdr3-alex (QtRadio) has no selection that i can get to work at all ....

Im using ArchLinux with the latest kernel (i think)

External USB sound works all day long .. iv been listening to WWVH for 4 days straight (day and nite) with no crashes ....

Does the X2 and XU use the same onboard sound ... i didn't look.

Bty .... how do you use Quisk with no display ? (im using a DL-165 because my HDMI is blown)

On 09/13/2014 03:30 AM, andrea montefusco andrea.montefusco@... [n2adr-sdr] wrote:
>
> Hi all,
>
> asking here about Quisk on Odroid (maybe slightly off-topic).
>
> I am doing some experiments with my Odroids (X2 and XU), running Quisk
> and FunCube Pro+ @192kHz.
>
> Whilst on XU Quisk is working quite well, on X2 the audio is
> intermittently heard.
>
> I already tried to comment out all the Quisk's drawing routines
> (OnPaint methods), as I am using it without display, using an external
> TX with tuning knob, but the performance improves only marginally.
> I even compile using compiler options specific to ARM (the same we are
> using in ghpsd3-alex project) and the CPU load diminish but the audio
> is always not good.
>
> Can someone suggest some compiler options and/or a recent system image
> for X2 ?
> (Now it runs a very old Linaro 12.11)
>
> Many thanks in advance
>
> *am*
>
> --

> Andrea Montefusco IW0HDV
> ----------
> As my old boss, an Apollo veteran, would often remind us “It’s good to
> be smart, but it’s better to be lucky.”
> Wayne Hale, Space Shuttle Flight Director
>
>

--
Mike KC7NOA

1249. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 13:53:33 UTC
From: andrea montefusco
Topic: 1246 Message: 1249

On Sat, Sep 13, 2014 at 3:19 PM, Mike Patriot121@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
> Are you trying to use the onboard sound or external ?

Internal.

> Bty .... how do you use Quisk with no display ? (im using a DL-165 because my HDMI is blown)

I created a configuration file that takes command from an external TX
via a USB/serial and drives Quisk and FCDPP local oscillator; tuning
and mode selection is done from TX.

am IW0HDV

1250. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 15:30:13 UTC
From: Sid Boyce
Topic: 1246 Message: 1250

```
Hi Andrea,
On-board sound has always been a problem - ODROID-X and ODROID-U3.
I have had it working fine, then I got intermittent sound and then it
stopped working so I am using USB sound card for RX and TX.

It's possible that introducing a HDMI switch has caused it to stop working.

root@odroidu3:~# cat /proc/asound/cards
0 [Audio ]: Built-in_Audio - Built-in Audio
Built-in Audio
1 [Aureon51MkII ]: USB-Audio - Aureon5.1MkII
TerraTec Aureon5.1MkII at usb-s5p-ehci-3.2.2.6,
full speed
root@odroidu3:~# uname -r
3.8.13.27

root@ODROID-X:~# cat /proc/asound/cards
0 [Audio ]: Built-in_Audio - Built-in Audio
Built-in Audio
1 [Device ]: USB-Audio - USB Sound Device
USB Sound Device at usb-s5p-ehci-2.2, full speed

root@ODROID-X:~# uname -r
3.8.13.23

All the controls show and are OK with alsamixer.
The ODROID kernels are the suspect as the MAX98090 is not as well
supported as in the upstream kernel.

Samsung has started ODROID universal support in 3.17-rc kernels. I have
built 3.17.0-rc2 and 3.17.0-rc3 zImage but I have seen nothing about it
on the ODROID forum.
http://linux-exynos.org/wiki/Mainline_Linux_Progress
73 ... Sid.
```

On 13/09/14 11:30, andrea montefusco andrea.montefusco@...
[n2adr-sdr] wrote:
>
> Hi all,
>
> asking here about Quisk on Odroid (maybe slightly off-topic).
>
> I am doing some experiments with my Odroids (X2 and XU), running Quisk
> and FunCube Pro+ @192kHz.
>
> Whilst on XU Quisk is working quite well, on X2 the audio is

> intermittently heard.
>
> I already tried to comment out all the Quisk's drawing routines
> (OnPaint methods), as I am using it without display, using an external
> TX with tuning knob, but the performance improves only marginally.
> I even compile using compiler options specific to ARM (the same we are
> using in ghpsd3-alex project) and the CPU load diminish but the audio
> is always not good.
>
> Can someone suggest some compiler options and/or a recent system image
> for X2 ?
> (Now it runs a very old Linaro 12.11)
>
> Many thanks in advance
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
> ----------
> As my old boss, an Apollo veteran, would often remind us â€œItâ€™s good to
> be smart, but itâ€™s better to be lucky.â€□
> Wayne Hale, Space Shuttle Flight Director
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1251. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 16:49:45 UTC
From: andrea montefusco
Topic: 1246 Message: 1251

Sid,

> On-board sound has always been a problem - ODROID-X and ODROID-U3.
> I have had it working fine, then I got intermittent sound and then it stopped working so I am using USB sound card for RX and TX.

I see.
I only mitigated the problem increasing the latency and reducing the polling frequency:

latency_millisecs = 1000
data_poll_usec = 200000

BTW, reducing the polling frequency carries as secondary benefit that the CPU load decrease as well.

I will try with some USB card, I only have at the moment an audio-widget but it is not working at all on Odroid-X2.

am

--
Andrea Montefusco IW0HDV

As my old boss, an Apollo veteran, would often remind us “It’s good to be smart, but it’s better to be lucky.”
Wayne Hale, Space Shuttle Flight Director

1252. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 17:25:00 UTC
From: MIKE DURKIN
Topic: 1246 Message: 1252

Is there a way to make that apply only to the on board sound ?

I did see that the latency for on board was 100X more than the USB sound seen in Quisk. That's nutz, it should be lower than the usb.

--- Original Message ---

From: "andrea montefusco andrea.montefusco@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
Sent: September 13, 2014 9:49 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Quisk on Odroid

Sid,

> On-board sound has always been a problem - ODROID-X and ODROID-U3.
> I have had it working fine, then I got intermittent sound and then it stopped working so I am using USB sound card for RX and TX.

I see.
I only mitigated the problem increasing the latency and reducing the
polling frequency:

latency_millisecs = 1000
data_poll_usec = 200000

BTW, reducing the polling frequency carries as secondary benefit that
the CPU load decrease as well.

I will try with some USB card, I only have at the moment an
audio-widget but it is not working at all on Odroid-X2.

am

--
Andrea Montefusco IW0HDV

As my old boss, an Apollo veteran, would often remind us “It’s good to
be smart, but it’s better to be lucky.”
Wayne Hale, Space Shuttle Flight Director

1253. Re: [n2adr-sdr] Quisk on Odroid

Yahoo group: n2adr-sdr
Date: 2014-09-13 19:53:41 UTC
From: Sid Boyce
Topic: 1246 Message: 1253

OK Andrea,
I didn't play with those figures.

The USB audio works fine.
I am only using 1 sound card for Mic/Spkr with the HiQSDR.

I expected the Audio Widget to work as UAC2 support went into mainline
kernel at 2.6.35.
73 ... Sid.

On 13/09/14 17:49, andrea montefusco andrea.montefusco@...
[n2adr-sdr] wrote:
>
> Sid,
>
> > On-board sound has always been a problem - ODROID-X and ODROID-U3.
> > I have had it working fine, then I got intermittent sound and then
> it stopped working so I am using USB sound card for RX and TX.
>
> I see.
> I only mitigated the problem increasing the latency and reducing the
> polling frequency:
>
> latency_millisecs = 1000
> data_poll_usec = 200000
>
> BTW, reducing the polling frequency carries as secondary benefit that
> the CPU load decrease as well.
>
> I will try with some USB card, I only have at the moment an
> audio-widget but it is not working at all on Odroid-X2.
>
> *am*
>
> --
> Andrea Montefusco IW0HDV
> ----------
> As my old boss, an Apollo veteran, would often remind us â€œItâ€™s good to
> be smart, but itâ€™s better to be lucky.â€□
> Wayne Hale, Space Shuttle Flight Director
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1254. Re: [n2adr-sdr] PowerSDR with HiQSDR

Yahoo group: n2adr-sdr
Date: 2014-09-13 20:33:48 UTC
From: yaho1@...
Topic: 1041 Message: 1254

Hi,

i put the source on http://dl2stg.de/stefan/hiqsdr/files/hphiq.tgz
http://dl2stg.de/stefan/hiqsdr/files/hphiq.tgz

73
Stefan

1255. Re: Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-13 22:01:12 UTC
From: gvjury@...
Topic: 1240 Message: 1255

Hi Group

Just a follow up to my occaisonal Quisk crashes. I have had a lot of Python updates so decided to recompile my Quisk 3.6.18 and since then no problems with crashes. I get a few messages when starting Quisk from a terminal relating to Jack not being installed on this machine so now very stable over last 24 hours.

```
gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
```

Tnx to all respondents, 73 Graeme ZL2APV

1256. Re: [n2adr-sdr] Re: Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-14 00:05:52 UTC
From: Sid Boyce
Topic: 1240 Message: 1256

I have been getting those messages forever - just noise I suppose, no effect on quisk so I ignore them.
73 ... Sid.

On 13/09/14 23:01, gvjury@... [n2adr-sdr] wrote:
>
> Hi Group
>
> Just a follow up to my occaisonal Quisk crashes. I have had a lot of
> Python updates so decided to recompile my Quisk 3.6.18 and since then
> no problems with crashes. I get a few messages when starting Quisk
> from a terminal relating to Jack not being installed on this machine
> so now very stable over last 24 hours.
>
> gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server request channel
> jack server is not running or cannot be started
>
> Tnx to all respondents, 73 Graeme ZL2APV
>
>

--
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1257. Re: [n2adr-sdr] Re: Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-17 10:13:49 UTC
From: gvjury@...
Topic: 1240 Message: 1257

Here are a couple more messages I regularly get from Quisk. Maybe these are just noise too but maybe also a debug help?

(python:2397): Gtk-CRITICAL **: IA__gtk_widget_get_direction: assertion 'GTK_IS_WIDGET (widget)' failed

(python:2397): GLib-CRITICAL **: Source ID 475941 was not found when attempting to remove it

73 Graeme ZL2APV

1258. Re: [n2adr-sdr] Re: Quisk runtime error

Yahoo group: n2adr-sdr
Date: 2014-09-17 13:27:20 UTC
From: Sid Boyce
Topic: 1240 Message: 1258

I first saw these installing Crossover Office under KDE.
Codeweavers asked me to select something to do with the display which I can't remember and I can't find in the codeweavers forum.

That cured the Gtk-Critical messages but the real problem was a python library in /usr/local/lib64 which was hanging link which caused CXO program and quisk to fail to start.

The messages themselves never impacted the working of applications.
73 ... Sid.

On 17/09/14 11:13, gvjury@... [n2adr-sdr] wrote:
>
> Here are a couple more messages I regularly get from Quisk. Maybe
> these are just noise too but maybe also a debug help?
>
> (python:2397): Gtk-CRITICAL **: IA__gtk_widget_get_direction:
> assertion 'GTK_IS_WIDGET (widget)' failed
>
> (python:2397): GLib-CRITICAL **: Source ID 475941 was not found when
> attempting to remove it
>
> 73 Graeme ZL2APV
>
>

--
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1259. Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-03 04:51:21 UTC
From: hans.brandl@...
Topic: 1259 Message: 1259

The firmware version 1.4 (and later ?) should allow to change the IP address of the FPGA from the PC instead of using the address programmed into the firmware.

Is there a ready to use program available to do so or where could I find details ?
Sorry , I was not successful until now by searching the net.

Hans

1260. Re: Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-06 12:45:46 UTC
From: jahlstr@...
Topic: 1259 Message: 1260

The config file option rx_udp_ip sets the IP address of the hardare when the hardware is version 1.4 or later. You can learn about config options by reading the file quisk_conf_defaults.py.

Jim N2ADR

1261. Re: [n2adr-sdr] Re: Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-06 21:41:40 UTC
From: Sid Boyce
Topic: 1259 Message: 1261

OK Jim,
Just to be absolutely clear as I had been asked this question -
So you are saying that the FPGA is no longer programmed with an IP
address of 192.168.2.196 and it solely depends on rx_udp_ip = "<IP_ADDRESS>"
73 ... Sid.

On 06/10/14 13:45, jahlstr@... [n2adr-sdr] wrote:
>
> The config file option rx_udp_ip sets the IP address of the hardare
> when the hardware is version 1.4 or later. You can learn about config
> options by reading the file quisk_conf_defaults.py.
>
>
> Jim N2ADR
>

--
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1262. Re: [n2adr-sdr] Re: Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-07 16:47:40 UTC
From: jahlstr@...
Topic: 1259 Message: 1262

That is correct, provided sndp_active is True (the default). The following is from quisk_conf_defaults.py. All questions about config options should be answered in that file.

```
# For FPGA firmware version 1.4 and newer, the hardware is set to the rx_udp_ip you enter here.
# For older firmware, the IP address is programmed into the FPGA, and you must enter that address as rx_udp_ip.

rx_udp_ip = "192.168.2.196" # Sample source IP address
rx_udp_ip_netmask = '255.255.255.0' # The netmask for the network of rx_udp_ip
rx_udp_port = 0xBC77 # Sample source UDP port
rx_udp_clock = 122880000 # ADC sample rate in Hertz
sndp_active = True # Enable setting the hardware IP to rx_udp_ip
```

Jim
N2ADR

1263. Re: Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-07 19:33:35 UTC
From: hans.brandl@...
Topic: 1259 Message: 1263

Jim, many thanks for this elegant and effective solution, as always.
(Sorry, I should have read the documentation more in detail) .
This will give me a lot o flexibility for integrating HIQSDR
vy73, Hans

1264. Re: [n2adr-sdr] Re: Change the IP address of the FPGA from the PC ?

Yahoo group: n2adr-sdr
Date: 2014-10-07 20:20:02 UTC
From: Sid Boyce
Topic: 1259 Message: 1264

Thanks Jim,
Very elegantly done.
73 ... Sid.

On 07/10/14 17:47, jahlstr@... [n2adr-sdr] wrote:
>
> That is correct, provided sndp_active is True (the default). The
> following is from quisk_conf_defaults.py. All questions about config
> options should be answered in that file.
>
>
> # For FPGA firmware version 1.4 and newer, the hardware is set to the
> rx_udp_ip you enter here.
> # For older firmware, the IP address is programmed into the FPGA, and
> you must enter that address as rx_udp_ip.
>
> rx_udp_ip = "192.168.2.196"# Sample source IP address
> rx_udp_ip_netmask = '255.255.255.0'# The netmask for the network of
> rx_udp_ip
> rx_udp_port = 0xBC77# Sample source UDP port
> rx_udp_clock = 122880000# ADC sample rate in Hertz
> sndp_active = True# Enable setting the hardware IP to rx_udp_ip
>
>
> Jim
> N2ADR
>
>

--
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1265. Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-10-27 19:40:26 UTC
From: jahlstr@...
Topic: 1265 Message: 1265

Quisk Version 3.6.19 October 2014

Mario, DL3LSM, contributed changes for MacOS support. Thanks!

I added device names to PulseAudio. The PulseAudio name "pulse" still refers to the default device. Otherwise, enter a PulseAudio name such as "pulse:alsa_input.pci-0000_00_1b.0.analog-stereo". See quisk_conf_defaults.py or docs.html. PulseAudio support enables you to connect to recent versions of wsjt-x. To turn this off, set show_pulse_audio_devices = False in your config file.

1266. Re: Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-10-28 14:02:04 UTC
From: dh5ym@...
Topic: 1265 Message: 1266

Hi Jim,

very cool. Recently i was puzzeling around with WSJT-X and was not able to connect Quisk. Now that should work fine. Really great.

regards
Mario

1267. Re: Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-10-29 13:09:13 UTC
From: jahlstr@...
Topic: 1265 Message: 1267

Thanks Mario. Quisk works fine with fldigi, and should work with wsjt-x. Let me know if you have any problems.

Jim
N2ADR

1268. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-11-03 22:30:46 UTC
From: Sid Boyce
Topic: 1230 Message: 1268

I have most of the bits, just waiting for the 2 mechanical encoders.

I put 4 stand-offs on the screen controller board and glued it to the
back of the LCD.

The screen is connected to the Raspberry Pi and I have the rasdr screen up.

Next I will program the AtMega32.

I need the userID and password so I can change the timezone. I tried
user pi and password raspberry.
73 ... Sid.

On 19/07/14 20:40, Sid Boyce wrote:
> Thanks Helmut.
> I already have rasdr-1.3.0 installed on an ODROID-X and ODROID-U3 and
> fpga_ver3-sg9.tgz up and running. I also have gpio.tgz but no STK500
> so perhaps a ihex file could be made available along with the avr32
> circuit.
> I have a stash of 128 Steps/rev rotary encoders somewhere around, the
> mechanical ones I can get from RS Components.
>
> I also have a spare Raspberry Pi available or I could use the ODROID-X
> which is only a little larger.
>
> I got a 7" touch screen from pollin.de. Touch works but no screen
> display from either Raspberry Pi or ODROID-X. They reckon the HDMI
> port won't work with either Raspberry Pi or ODROID and suggested using
> the DVI port with a DVI to HDMI adatper.
>
> That does not work either and I am thinking it's either a fault on the
> controller board or the LCD itself.
> No problem hooking those boards up to a large screenHDMI monitor.
> 73 ... Sid.
>
>
> On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>>
>> Hi Sid, Hi Group,
>>
>>
>> Stefan (DL2STG) has released his new Firmware (running with Quisk and
>> RASDR) and
>>
>> his new Version of RASDR.
>>

>> Stefan is very busy so i try to explain some details here for a
>> better understanding.
>>
>>
>> This Versions supports external user GPIO via SPI. SPI Interface is
>> included
>>
>> on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso)
>> pin 52 (spi_clk)
>>
>> This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
>>
>> Attention! Be carefull because all signals are 3.3V LVCMOS and
>> directly connected to the FPGA!
>>
>> spi communication is done via 32 bit Frames (4Bytes)
>>
>> containing address, controls and 16 Bits of data. The spi clock rate
>> is 250kbit/sec
>>
>> but usable up to 2 MBit/sec. Data changes are transferred
>>
>> via small UDP packets all 10mS not to overload the RasPi
>>
>> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.
>>
>>
>> This released version is not the end of the game. just the first "light".
>>
>>
>> Currently it basically supports 3 Encoders (on high Resolution
>> Encoder for frequency adjustments
>>
>> and two low-resolution encoders (16 Steps/rev) for menue selections and
>>
>> currently one analog value connected to a potentiometer to adjust AF.
>>
>> Stefan had implemented this for his own HiQSDR transceiver on a Arduino,
>>
>> (See his beautiful TRX on his WebSite!) but this interface is running
>> also on the
>>
>> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
>>
>> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
>> switches/buttons
>>
>> and 8 digital outputs. This HiQGPIO fits directly behind the front
>>
>> of the HiQTRX-10 frontpanel and includes a small graphic LCD

>>
>> for some informational readouts and the VFO Encoder with knob
>>
>> (high resolution magnetic type, 128 Steps/rev)
>>
>> The HiQGPIO contains also the interface to the HiPPA to get working
>> parameters
>>
>> from it via buffered I2C and a Serial Interface (RS-232)
>>
>>
>> RASDR is a very versatile GUI for HiQSDR and is also capable to run
>> stand alone
>>
>> on a raspberry pi with Linux supporting >= 7" grafical LCD connected
>> to the HDMI
>>
>> and allows stand alone operation without PC, only a cheap USB
>> soundstick must be
>>
>> connected to the RasPi.
>>
>> RASDR do his job very sucessfully on a RasPi, all Filters loaded
>> dynamically
>>
>> in this mode, so the Raspi has no Problem to deal with Waterfall
>> display, Sound & so on.
>>
>> RASDR also has selectable FFT sizes and 2 AutoNotches as well as
>> frequency Memorys.
>>
>> All RX and TX Modes are supported, 2.Tone test signals are generated
>> a.s.o.
>>
>> The new Firmware & RASDR is written from Stefan, DL2STG (he has
>> really done a very fine Job!!)
>>
>> supports dynamically loadable filter coefficents to support RASDR on
>> RASPI
>>
>> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>>
>> He also had written a Interface to the HPSDR Protocol who allows the
>>
>> HiQSDR to operate with PowerSDR too.
>>
>>
>> I am using a RasPi with a 7" LCD now for some month and this
>> combination works perfectly.
>>

>> I built this in a small desktop case and connect this "stand alone
>> termínal" only via Ethernet
>>
>> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station
>> in a different
>>
>> room (sometimes via WLAN) to do QSOs.
>>
>>
>> Schematics to connect the RASPI, LCD and further informations as well as
>>
>> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
>>
>> shortly here in this Group.
>>
>>
>> Sorry to be quiet for a prolonged time, but we had a lot of work to
>> make new
>>
>> Modules and Software for HiQSDR available!
>>
>>
>> Helmut, DB1CC
>>
>>
>>
>>
>>
>>
>>
>
>
> --
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--
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1269. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-11-03 22:34:57 UTC
From: Sid Boyce
Topic: 1230 Message: 1269

BTW Helmut,
I haven't seen the schematics you promised.
73 ... Sid.

On 03/11/14 22:30, Sid Boyce wrote:
> I have most of the bits, just waiting for the 2 mechanical encoders.
>
> I put 4 stand-offs on the screen controller board and glued it to the
> back of the LCD.
>
> The screen is connected to the Raspberry Pi and I have the rasdr
> screen up.
>
> Next I will program the AtMega32.
>
> I need the userID and password so I can change the timezone. I tried
> user pi and password raspberry.
> 73 ... Sid.
>
> On 19/07/14 20:40, Sid Boyce wrote:
>> Thanks Helmut.
>> I already have rasdr-1.3.0 installed on an ODROID-X and ODROID-U3 and
>> fpga_ver3-sg9.tgz up and running. I also have gpio.tgz but no STK500
>> so perhaps a ihex file could be made available along with the avr32
>> circuit.
>> I have a stash of 128 Steps/rev rotary encoders somewhere around, the
>> mechanical ones I can get from RS Components.
>>
>> I also have a spare Raspberry Pi available or I could use the
>> ODROID-X which is only a little larger.
>>
>> I got a 7" touch screen from pollin.de. Touch works but no screen
>> display from either Raspberry Pi or ODROID-X. They reckon the HDMI
>> port won't work with either Raspberry Pi or ODROID and suggested
>> using the DVI port with a DVI to HDMI adatper.
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>> That does not work either and I am thinking it's either a fault on
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>> 73 ... Sid.
>>
>>
>> On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>>>
>>> Hi Sid, Hi Group,

>>>
>>>
>>> Stefan (DL2STG) has released his new Firmware (running with Quisk
>>> and RASDR) and
>>>
>>> his new Version of RASDR.
>>>
>>> Stefan is very busy so i try to explain some details here for a
>>> better understanding.
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>>>
>>> This Versions supports external user GPIO via SPI. SPI Interface is
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>>>
>>> Attention! Be carefull because all signals are 3.3V LVCMOS and
>>> directly connected to the FPGA!
>>>
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>>>
>>> containing address, controls and 16 Bits of data. The spi clock rate
>>> is 250kbit/sec
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>>> but usable up to 2 MBit/sec. Data changes are transferred
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>>> via small UDP packets all 10mS not to overload the RasPi
>>>
>>> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source
>>> code.
>>>
>>>
>>> This released version is not the end of the game. just the first
>>> "light".
>>>
>>>
>>> Currently it basically supports 3 Encoders (on high Resolution
>>> Encoder for frequency adjustments
>>>
>>> and two low-resolution encoders (16 Steps/rev) for menue selections and
>>>
>>> currently one analog value connected to a potentiometer to adjust AF.
>>>
>>> Stefan had implemented this for his own HiQSDR transceiver on a
>>> Arduino,
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>>> (See his beautiful TRX on his WebSite!) but this interface is

>>> running also on the
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>>> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
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>>> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
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>>> of the HiQTRX-10 frontpanel and includes a small graphic LCD
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>>> for some informational readouts and the VFO Encoder with knob
>>>
>>> (high resolution magnetic type, 128 Steps/rev)
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>>> The HiQGPIO contains also the interface to the HiPPA to get working
>>> parameters
>>>
>>> from it via buffered I2C and a Serial Interface (RS-232)
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>>>
>>> and allows stand alone operation without PC, only a cheap USB
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>>>
>>> in this mode, so the Raspi has no Problem to deal with Waterfall
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>>>
>>> All RX and TX Modes are supported, 2.Tone test signals are generated
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>>>
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>>> really done a very fine Job!!)
>>>
>>> supports dynamically loadable filter coefficents to support RASDR on
>>> RASPI
>>>

>>> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>>>
>>> He also had written a Interface to the HPSDR Protocol who allows the
>>>
>>> HiQSDR to operate with PowerSDR too.
>>>
>>>
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>>>
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>>>
>>> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station
>>> in a different
>>>
>>> room (sometimes via WLAN) to do QSOs.
>>>
>>>
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>>> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
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>>>
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> --
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1270. Re: Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-11-11 12:05:39 UTC
From: dlrn36@...
Topic: 1265 Message: 1270
Attachments: 1 described; binary payloads are missing from this source WARC

Hi all,
I just upgraded my hiqsdr to firmware 1.4 so I could use alternative IP addresses. I also upgraded quisk from 3.6.8 to 3.6.19 as the IP selection didn't work with the older software.

Having upgraded to 3.6.19 quisk does see the board at the nominated IP address in the config file. However I'm getting very distorted audio, it appears to be an severely distorted echo with a delay of perhaps 1 second from the initial received signal.

I had the same problem with firmware 1.3 before upgrading and I "downgraded" quisk back to 3.6.8. But to use the new IP address I need to use the later 3.6.19 version as 3.6.8 doesn't appear to use those extra lines in the config file.

Has anyone else experienced audio problems/distortion with 3.6.19? I've attached a recording (apologies for the low audio level)

Thanks
Greg

1271. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2014-11-11 14:12:29 UTC
From: Sid Boyce
Topic: 1230 Message: 1271

With a bit more thinking time, the password, language, keyboard and timezone issues fixed.
password -- by removing the x in /etc/passwd and the password entries in /etc/shadow.

Helmut's circuit diagram is still needed.
73 ... Sid.

On 03/11/14 22:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> I have most of the bits, just waiting for the 2 mechanical encoders.
>
> I put 4 stand-offs on the screen controller board and glued it to the
> back of the LCD.
>
> The screen is connected to the Raspberry Pi and I have the rasdr
> screen up.
>
> Next I will program the AtMega32.
>
> I need the userID and password so I can change the timezone. I tried
> user pi and password raspberry.
> 73 ... Sid.
>
> On 19/07/14 20:40, Sid Boyce wrote:
>> Thanks Helmut.
>> I already have rasdr-1.3.0 installed on an ODROID-X and ODROID-U3 and
>> fpga_ver3-sg9.tgz up and running. I also have gpio.tgz but no STK500
>> so perhaps a ihex file could be made available along with the avr32
>> circuit.
>> I have a stash of 128 Steps/rev rotary encoders somewhere around, the
>> mechanical ones I can get from RS Components.
>>
>> I also have a spare Raspberry Pi available or I could use the
>> ODROID-X which is only a little larger.
>>
>> I got a 7" touch screen from pollin.de. Touch works but no screen
>> display from either Raspberry Pi or ODROID-X. They reckon the HDMI
>> port won't work with either Raspberry Pi or ODROID and suggested
>> using the DVI port with a DVI to HDMI adatper.
>>
>> That does not work either and I am thinking it's either a fault on
>> the controller board or the LCD itself.
>> No problem hooking those boards up to a large screenHDMI monitor.
>> 73 ... Sid.

>>
>>
>> On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>>>
>>> Hi Sid, Hi Group,
>>>
>>>
>>> Stefan (DL2STG) has released his new Firmware (running with Quisk
>>> and RASDR) and
>>>
>>> his new Version of RASDR.
>>>
>>> Stefan is very busy so i try to explain some details here for a
>>> better understanding.
>>>
>>>
>>> This Versions supports external user GPIO via SPI. SPI Interface is
>>> included
>>>
>>> on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso)
>>> pin 52 (spi_clk)
>>>
>>> This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
>>>
>>> Attention! Be carefull because all signals are 3.3V LVCMOS and
>>> directly connected to the FPGA!
>>>
>>> spi communication is done via 32 bit Frames (4Bytes)
>>>
>>> containing address, controls and 16 Bits of data. The spi clock rate
>>> is 250kbit/sec
>>>
>>> but usable up to 2 MBit/sec. Data changes are transferred
>>>
>>> via small UDP packets all 10mS not to overload the RasPi
>>>
>>> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source
>>> code.
>>>
>>>
>>> This released version is not the end of the game. just the first
>>> "light".
>>>
>>>
>>> Currently it basically supports 3 Encoders (on high Resolution
>>> Encoder for frequency adjustments
>>>
>>> and two low-resolution encoders (16 Steps/rev) for menue selections and
>>>
>>> currently one analog value connected to a potentiometer to adjust AF.

>>>
>>> Stefan had implemented this for his own HiQSDR transceiver on a
>>> Arduino,
>>>
>>> (See his beautiful TRX on his WebSite!) but this interface is
>>> running also on the
>>>
>>> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
>>>
>>> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
>>> switches/buttons
>>>
>>> and 8 digital outputs. This HiQGPIO fits directly behind the front
>>>
>>> of the HiQTRX-10 frontpanel and includes a small graphic LCD
>>>
>>> for some informational readouts and the VFO Encoder with knob
>>>
>>> (high resolution magnetic type, 128 Steps/rev)
>>>
>>> The HiQGPIO contains also the interface to the HiPPA to get working
>>> parameters
>>>
>>> from it via buffered I2C and a Serial Interface (RS-232)
>>>
>>>
>>> RASDR is a very versatile GUI for HiQSDR and is also capable to run
>>> stand alone
>>>
>>> on a raspberry pi with Linux supporting >= 7" grafical LCD connected
>>> to the HDMI
>>>
>>> and allows stand alone operation without PC, only a cheap USB
>>> soundstick must be
>>>
>>> connected to the RasPi.
>>>
>>> RASDR do his job very sucessfully on a RasPi, all Filters loaded
>>> dynamically
>>>
>>> in this mode, so the Raspi has no Problem to deal with Waterfall
>>> display, Sound & so on.
>>>
>>> RASDR also has selectable FFT sizes and 2 AutoNotches as well as
>>> frequency Memorys.
>>>
>>> All RX and TX Modes are supported, 2.Tone test signals are generated
>>> a.s.o.
>>>
>>> The new Firmware & RASDR is written from Stefan, DL2STG (he has

>>> really done a very fine Job!!)
>>>
>>> supports dynamically loadable filter coefficents to support RASDR on
>>> RASPI
>>>
>>> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>>>
>>> He also had written a Interface to the HPSDR Protocol who allows the
>>>
>>> HiQSDR to operate with PowerSDR too.
>>>
>>>
>>> I am using a RasPi with a 7" LCD now for some month and this
>>> combination works perfectly.
>>>
>>> I built this in a small desktop case and connect this "stand alone
>>> terminal" only via Ethernet
>>>
>>> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station
>>> in a different
>>>
>>> room (sometimes via WLAN) to do QSOs.
>>>
>>>
>>> Schematics to connect the RASPI, LCD and further informations as well as
>>>
>>> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
>>>
>>> shortly here in this Group.
>>>
>>>
>>> Sorry to be quiet for a prolonged time, but we had a lot of work to
>>> make new
>>>
>>> Modules and Software for HiQSDR available!
>>>
>>>
>>> Helmut, DB1CC
>>>
>>>
>>>
>>>
>>>
>>>
>>
>>
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1272. wxPython: stdout/stderr

Yahoo group: n2adr-sdr
Date: 2014-11-11 20:30:42 UTC
From: gvjury@...
Topic: 1272 Message: 1272

I got the following error which may be useful for debugging Jim.

```
Traceback (most recent call last):
File "/home/gvj/Programs/quisk/quisk.py", line 1540, in OnMotion
if self.mouse_is_rx: # Mouse motion changes the receive frequency
AttributeError: 'GraphScreen' object has no attribute 'mouse_is_rx'
```

73, Graeme ZL2APV

1273. Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-11 20:41:50 UTC
From: gvjury@...
Topic: 1273 Message: 1273

I have a problem when running Quisk where something changes the system mic gain. I am using Xubuntu and adjust the mic gain in the sound settings applet to get the correct level in Quisk's Config/Tx Audio, Peak microphone audio level of around -5 dB. Something else I use sets the gain back to 100% and next time I use Quisk I am overdriving the audio and need to reset it. It does not always change even through re-boots.

I would like to know if there is a setting in Quisk where I can preset the system gain or maybe use a batch file to start Quisk where I preset the alsamixer mic gain.

Oh yes nearly forgot I am using alsa not pulse for my audio settings.
name_of_sound_play = "hw:0,0"
microphone_name = "hw:0,0"

mic_out_volume = 1.0

73 Graeme ZL2APV

1274. Re: Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-11 21:31:01 UTC
From: jahlstr@...
Topic: 1273 Message: 1274

Quisk has a feature to adjust audio levels. Look for "mixer_settings" in quisk_conf_defaults.py. The documentation is there. You need to know the control number for the device you want to adjust, and this depends on your Linux version and audio hardware. Add your custom mixer_settings[] to your config file.

Jim
N2ADR

1275. Re: wxPython: stdout/stderr

Yahoo group: n2adr-sdr
Date: 2014-11-11 21:35:57 UTC
From: jahlstr@...
Topic: 1272 Message: 1275

That is odd. The mouse_is_rx is set when the left mouse button is pressed, and the mouse motion code (where the traceback is) only executes when the left button is down. What do you do that creates this traceback?

Jim
N2ADR

1276. Re: Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-12 00:15:27 UTC
From: gvjury@...
Topic: 1273 Message: 1276

Thanks Jim,

I should have looked harder and yes there is a great array of mixer names and I also have front and rear mic for the card so will need to sort out which one to use but at least you have shown me where to look. It may be

```
numid=18,iface=MIXER,name='Input Source'
; type=ENUMERATED,access=rw------,values=1,items=3
; Item #0 'Front Mic'
; Item #1 'Rear Mic'
; Item #2 'Line'
: values=0
or
numid=11,iface=MIXER,name='Front Mic Playback Volume'
; type=INTEGER,access=rw---R--,values=2,min=0,max=31,step=0
: values=0,0
| dBscale-min=-34.50dB,step=1.50dB,mute=0
or
numid=24,iface=MIXER,name='Front Mic Boost Volume'
; type=INTEGER,access=rw---R--,values=2,min=0,max=3,step=0
: values=3,3
| dBscale-min=0.00dB,step=10.00dB,mute=0
```

etc. Fiddling will tell :-)

73 Graeme

1277. Re: wxPython: stdout/stderr

Yahoo group: n2adr-sdr
Date: 2014-11-12 00:20:14 UTC
From: gvjury@...
Topic: 1272 Message: 1277

Hmmm not sure exactly what I did but I think it was clicking the < > arrows to step up the band but I also clicked on the spectrogram to move frequency so could have been that. It has only happened once for me but I posted in case you had been chasing a bug which was very intermittent and the error may have been useful. Sorry I can't be more specific.

73 Graeme

1278. Re: Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-11-12 06:21:21 UTC
From: dlrn36@...
Topic: 1265 Message: 1278

Sorted.

I increased the latency setting in the quisk_config.py file. Increased it from 20 which was the default it came set at to 50. Working fine now (cross fingers)

Cheers
Greg

1279. Re: Quisk Version 3.6.19

Yahoo group: n2adr-sdr
Date: 2014-11-12 10:36:02 UTC
From: rolin791@...
Topic: 1265 Message: 1279

Hello. How can I increase input samples bufer in QUISK ? Need for troubleproof working via WiFi. Thanks.

1280. rasdr problem on x86_64

Yahoo group: n2adr-sdr
Date: 2014-11-13 03:24:59 UTC
From: Sid Boyce
Topic: 1280 Message: 1280

I removed ~/.config/sdr/rasdr.conf and get the same problem.
With svn, version 1.8.10 (r1615264) it fails on x86_64. "ldd rasdr" all OK.

With svn, version 1.8.8 (r1568071) on ARM it works.
Same message on ARM but rasdr does not segfault.

```
$ rasdr
RaSDR Version 1.3.0
rasdr SVN: Unversioned -Ddirectory
old settings version is to old ( 0 ), skip

set filter tabs 2001 dest: 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
Segmentation fault

lancelot@odroidu3:~$ rasdr&
[1] 2271
lancelot@odroidu3:~$ RaSDR Version 1.3.0
rasdr SVN: Unversioned -Ddirectory

set filter tabs 2001 dest: 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
filter not ready, saved 0
filter not ready, saved 1
1: lost packets 166
filter ready
set filter tabs 2001 dest: 0
filter ready
set filter tabs 501 dest: 1
filter ready
```

73 ... Sid.

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1281. Re: [n2adr-sdr] rasdr problem on x86_64

Yahoo group: n2adr-sdr
Date: 2014-11-13 03:29:20 UTC
From: Sid Boyce
Topic: 1280 Message: 1281

Using ~/.config/sdr/rasdr.conf from the ODROID-U3 on x86_64 I get the
same segfault.
73 ... Sid.

On 13/11/14 03:24, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I removed ~/.config/sdr/rasdr.conf and get the same problem.
> With svn, version 1.8.10 (r1615264) it fails on x86_64. "ldd rasdr" all OK.
>
> With svn, version 1.8.8 (r1568071) on ARM it works.
> Same message on ARM but rasdr does not segfault.
> $ rasdr
> RaSDR Version 1.3.0
> rasdr SVN: Unversioned -Ddirectory
> old settings version is to old (0), skip
>
> set filter tabs 2001 dest: 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> Segmentation fault
>
> lancelot@odroidu3:~$ rasdr&
> [1] 2271
> lancelot@odroidu3:~$ RaSDR Version 1.3.0
> rasdr SVN: Unversioned -Ddirectory
>
> set filter tabs 2001 dest: 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> filter not ready, saved 0
> filter not ready, saved 1
> 1: lost packets 166
> filter ready
> set filter tabs 2001 dest: 0
> filter ready
> set filter tabs 501 dest: 1
> filter ready
>

> 73 ... Sid.
>

--
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1282. Re: [n2adr-sdr] rasdr problem on x86_64

Yahoo group: n2adr-sdr
Date: 2014-11-13 22:11:52 UTC
From: Sid Boyce
Topic: 1280 Message: 1282

```
Corrected the problem with Version in ~/.config/sdr/rasdr.conf.
[Version]
ver=1.3.0
verint=10301

# rasdr -v 4
RaSDR Version 1.3.0

0.372896 Control -> Control: NONE, Par: 0
0.372969 Control -> Display: NONE, Par: 0
0.372979 Display: unhandled command: NONE, par 0
0.372986 Control: unhandled command: NONE, par 0
0.372991 Control -> Control: AGC_DEC, Par: 10000
0.372998 Control -> Display: AGC_DEC, Par: 10000
0.373007 Control -> Control: ANT, Par: 0
0.373013 Control -> Display: ANT, Par: 0
0.373020 Control -> Control: DISP_MODE, Par: 1
0.373026 Control -> Display: DISP_MODE, Par: 1
0.373305 Control -> Control: FFT_COMPLEX, Par: 1
0.373316 Control -> Display: FFT_COMPLEX, Par: 1
0.373324 Display: unhandled command: FFT_COMPLEX, par 1
0.373332 Control: unhandled command: FFT_COMPLEX, par 1
0.373339 Control -> Control: FFT_SAMPLE_RATE, Par: 3072000
0.373347 Control -> Display: FFT_SAMPLE_RATE, Par: 3072000
0.373356 Control: unhandled command: FFT_SAMPLE_RATE, par 3072000
0.373363 Control -> Control: FFT_SIZE, Par: 1024
0.373369 Control -> Display: FFT_SIZE, Par: 1024
0.375642 Control -> Control: FFT_TIME, Par: 200
0.375662 Control -> Display: FFT_TIME, Par: 200
0.375670 Display: unhandled command: FFT_TIME, par 200
0.375676 Control: unhandled command: FFT_TIME, par 200
0.375682 Control -> Control: RX_FILTER_GAIN, Par: 3
0.375689 Control -> Display: RX_FILTER_GAIN, Par: 3
0.375695 Display: unhandled command: RX_FILTER_GAIN, par 3
0.375701 Control: unhandled command: RX_FILTER_GAIN, par 3
0.375707 Control -> Control: TX_FILTER_GAIN, Par: 3
0.375713 Control -> Display: TX_FILTER_GAIN, Par: 3
0.375719 Display: unhandled command: TX_FILTER_GAIN, par 3
0.375725 Control: unhandled command: TX_FILTER_GAIN, par 3
0.375731 Control -> Control: FILTER_RX_CUT, Par: 120
0.375743 Control -> Display: FILTER_RX_CUT, Par: 120
0.375751 Display: unhandled command: FILTER_RX_CUT, par 120
0.375758 Control: unhandled command: FILTER_RX_CUT, par 120
0.375766 Control -> Control: FILTER_RX_HI, Par: 2400
0.375773 Control -> Display: FILTER_RX_HI, Par: 2400
```

```
set filter tabs 2001 dest: 0
filter not ready, saved 1
0.376610 Control -> Control: FILTER_RX_LO, Par: 100
0.376624 Control -> Display: FILTER_RX_LO, Par: 100
filter not ready, saved 0
filter not ready, saved 1
0.377667 Control -> Control: FILTER_TX_CUT, Par: 250
0.377689 Control -> Display: FILTER_TX_CUT, Par: 250
0.377704 Display: unhandled command: FILTER_TX_CUT, par 250
0.377716 Control: unhandled command: FILTER_TX_CUT, par 250
0.377729 Control -> Control: FILTER_TX_HI, Par: 2700
0.377744 Control -> Display: FILTER_TX_HI, Par: 2700
0.377756 Display: unhandled command: FILTER_TX_HI, par 2700
0.377769 Control: unhandled command: FILTER_TX_HI, par 2700
0.377781 Control -> Control: FILTER_TX_LO, Par: 200
0.377795 Control -> Display: FILTER_TX_LO, Par: 200
0.377809 Display: unhandled command: FILTER_TX_LO, par 200
0.377822 Control: unhandled command: FILTER_TX_LO, par 200
0.377834 Control -> Control: GAIN, Par: 0
0.377846 Control -> Display: GAIN, Par: 0
0.377862 Control -> Control: MODE, Par: 1
0.377875 Control -> Display: MODE, Par: 1
filter not ready, saved 0
filter not ready, saved 1
0.379261 Control -> Control: PRESEL, Par: 1
0.379277 Control -> Display: PRESEL, Par: 1
0.379293 Display: unhandled command: PRESEL, par 1
0.379306 Control: unhandled command: PRESEL, par 1
0.379320 Control -> Control: POWER, Par: 0
0.379336 Control -> Display: POWER, Par: 0
0.379352 Control -> Control: PREAMP, Par: 0
0.379367 Control -> Display: PREAMP, Par: 0
0.379384 Control -> Control: RAW_SRC, Par: 2
0.379397 Control -> Display: RAW_SRC, Par: 2
0.379412 Display: unhandled command: RAW_SRC, par 2
0.379431 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.379503 Control -> Control: RSSI, Par: -91198
0.379519 Control -> Display: RSSI, Par: -91198
0.379537 Control -> Control: RX_FREQ, Par: 14200000
0.379553 Control -> Display: RX_FREQ, Par: 14200000
0.379676 Control -> Control: SAMPLE_RATE, Par: 8000
0.379684 Control -> Display: SAMPLE_RATE, Par: 8000
0.379691 Display: unhandled command: SAMPLE_RATE, par 8000
0.379698 Control -> Control: SMETER_MODE, Par: 0
0.379705 Control -> Display: SMETER_MODE, Par: 0
0.379844 Control: unhandled command: SMETER_MODE, par 0
0.379852 Control -> Control: STEP, Par: 25000
0.379860 Control -> Display: STEP, Par: 25000
0.379869 Control -> Control: SWR, Par: 0
0.379876 Control -> Display: SWR, Par: 0
```

```
0.379884 Control -> Control: TX, Par: 0
0.379891 Control -> Display: TX, Par: 0
0.380144 Control -> Control: TX_RX, Par: 1
0.380157 Control -> Display: TX_RX, Par: 1
0.380166 Display -> Display: TX_FREQ, Par: 14200000
0.380174 Display -> Control: TX_FREQ, Par: 14200000
0.380182 Display -> Display: RX_FREQ, Par: 14200000
0.380190 Display -> Control: RX_FREQ, Par: 14200000
0.380234 Control -> Control: TX_FREQ, Par: 14200000
0.380242 Control -> Display: TX_FREQ, Par: 14200000
0.380250 Control -> Control: TX_POWER, Par: 100
0.380257 Control -> Display: TX_POWER, Par: 100
0.380265 Control -> Control: VOLUME, Par: 255
0.380273 Control -> Display: VOLUME, Par: 255
0.380281 Control -> Control: MIC, Par: 0
0.380288 Control -> Display: MIC, Par: 0
0.380294 Display: unhandled command: MIC, par 0
0.380301 Control -> Control: WATERFALL_MAX, Par: -20
0.380309 Control -> Display: WATERFALL_MAX, Par: -20
0.380316 Control: unhandled command: WATERFALL_MAX, par -20
0.380323 Control -> Control: WATERFALL_MIN, Par: -140
0.380330 Control -> Display: WATERFALL_MIN, Par: -140
0.380338 Control: unhandled command: WATERFALL_MIN, par -140
0.380345 Control -> Control: DIV1, Par: 40
0.380352 Control -> Display: DIV1, Par: 40
0.380358 Display: unhandled command: DIV1, par 40
0.380366 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.380398 Control -> Control: DIV2, Par: 48
0.380406 Control -> Display: DIV2, Par: 48
0.380412 Display: unhandled command: DIV2, par 48
0.380420 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.380450 Control -> Control: TWO_TONE_TEST, Par: 3
0.380458 Control -> Display: TWO_TONE_TEST, Par: 3
0.380466 Display: unhandled command: TWO_TONE_TEST, par 3
0.380495 Control -> Control: TX_DELAY, Par: 0
0.380504 Control -> Display: TX_DELAY, Par: 0
0.380513 Display: unhandled command: TX_DELAY, par 0
0.380521 Control -> Control: FULL_DUPLEX, Par: 0
0.380528 Control -> Display: FULL_DUPLEX, Par: 0
0.380536 Display: unhandled command: FULL_DUPLEX, par 0
0.380544 Control -> Control: NB_LEVEL, Par: 255
0.380551 Control -> Display: NB_LEVEL, Par: 255
0.380561 Control -> Control: INTERNAL, Par: 0
0.380569 Control -> Display: INTERNAL, Par: 0
filter not ready, saved 0
filter not ready, saved 1
0.384030 Control -> Control: NOTCH, Par: 0
0.384054 Control -> Display: NOTCH, Par: 0
0.384069 Control -> Control: SQUELCH, Par: 0
0.384076 Control -> Display: SQUELCH, Par: 0
```

```
0.384084 Display: unhandled command: SQUELCH, par 0
0.384093 Control -> Control: DISP_COLOR, Par: 1
0.384104 Control -> Display: DISP_COLOR, Par: 1
0.384155 Control -> Control: SELECT0, Par: 1
0.384168 Control -> Display: SELECT0, Par: 1
0.384180 Control: unhandled command: SELECT0, par 1
0.384194 Control -> Control: SELECT1, Par: 1
0.384203 Control -> Display: SELECT1, Par: 1
slipstream:/usr/src/YYY/rasdr_1.3.0 # o /SEGFAULT
RaSDR Version 1.3.0

0.372896 Control -> Control: NONE, Par: 0
0.372969 Control -> Display: NONE, Par: 0
0.372979 Display: unhandled command: NONE, par 0
0.372986 Control: unhandled command: NONE, par 0
0.372991 Control -> Control: AGC_DEC, Par: 10000
0.372998 Control -> Display: AGC_DEC, Par: 10000
0.373007 Control -> Control: ANT, Par: 0
0.373013 Control -> Display: ANT, Par: 0
0.373020 Control -> Control: DISP_MODE, Par: 1
0.373026 Control -> Display: DISP_MODE, Par: 1
0.373305 Control -> Control: FFT_COMPLEX, Par: 1
0.373316 Control -> Display: FFT_COMPLEX, Par: 1
0.373324 Display: unhandled command: FFT_COMPLEX, par 1
0.373332 Control: unhandled command: FFT_COMPLEX, par 1
0.373339 Control -> Control: FFT_SAMPLE_RATE, Par: 3072000
0.373347 Control -> Display: FFT_SAMPLE_RATE, Par: 3072000
0.373356 Control: unhandled command: FFT_SAMPLE_RATE, par 3072000
0.373363 Control -> Control: FFT_SIZE, Par: 1024
0.373369 Control -> Display: FFT_SIZE, Par: 1024
0.375642 Control -> Control: FFT_TIME, Par: 200
0.375662 Control -> Display: FFT_TIME, Par: 200
0.375670 Display: unhandled command: FFT_TIME, par 200
0.375676 Control: unhandled command: FFT_TIME, par 200
0.375682 Control -> Control: RX_FILTER_GAIN, Par: 3
0.375689 Control -> Display: RX_FILTER_GAIN, Par: 3
0.375695 Display: unhandled command: RX_FILTER_GAIN, par 3
0.375701 Control: unhandled command: RX_FILTER_GAIN, par 3
0.375707 Control -> Control: TX_FILTER_GAIN, Par: 3
0.375713 Control -> Display: TX_FILTER_GAIN, Par: 3
0.375719 Display: unhandled command: TX_FILTER_GAIN, par 3
0.375725 Control: unhandled command: TX_FILTER_GAIN, par 3
0.375731 Control -> Control: FILTER_RX_CUT, Par: 120
0.375743 Control -> Display: FILTER_RX_CUT, Par: 120
0.375751 Display: unhandled command: FILTER_RX_CUT, par 120
0.375758 Control: unhandled command: FILTER_RX_CUT, par 120
0.375766 Control -> Control: FILTER_RX_HI, Par: 2400
0.375773 Control -> Display: FILTER_RX_HI, Par: 2400
set filter tabs 2001 dest: 0
filter not ready, saved 1
```

```
0.376610 Control -> Control: FILTER_RX_LO, Par: 100
0.376624 Control -> Display: FILTER_RX_LO, Par: 100
filter not ready, saved 0
filter not ready, saved 1
0.377667 Control -> Control: FILTER_TX_CUT, Par: 250
0.377689 Control -> Display: FILTER_TX_CUT, Par: 250
0.377704 Display: unhandled command: FILTER_TX_CUT, par 250
0.377716 Control: unhandled command: FILTER_TX_CUT, par 250
0.377729 Control -> Control: FILTER_TX_HI, Par: 2700
0.377744 Control -> Display: FILTER_TX_HI, Par: 2700
0.377756 Display: unhandled command: FILTER_TX_HI, par 2700
0.377769 Control: unhandled command: FILTER_TX_HI, par 2700
0.377781 Control -> Control: FILTER_TX_LO, Par: 200
0.377795 Control -> Display: FILTER_TX_LO, Par: 200
0.377809 Display: unhandled command: FILTER_TX_LO, par 200
0.377822 Control: unhandled command: FILTER_TX_LO, par 200
0.377834 Control -> Control: GAIN, Par: 0
0.377846 Control -> Display: GAIN, Par: 0
0.377862 Control -> Control: MODE, Par: 1
0.377875 Control -> Display: MODE, Par: 1
filter not ready, saved 0
filter not ready, saved 1
0.379261 Control -> Control: PRESEL, Par: 1
0.379277 Control -> Display: PRESEL, Par: 1
0.379293 Display: unhandled command: PRESEL, par 1
0.379306 Control: unhandled command: PRESEL, par 1
0.379320 Control -> Control: POWER, Par: 0
0.379336 Control -> Display: POWER, Par: 0
0.379352 Control -> Control: PREAMP, Par: 0
0.379367 Control -> Display: PREAMP, Par: 0
0.379384 Control -> Control: RAW_SRC, Par: 2
0.379397 Control -> Display: RAW_SRC, Par: 2
0.379412 Display: unhandled command: RAW_SRC, par 2
0.379431 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.379503 Control -> Control: RSSI, Par: -91198
0.379519 Control -> Display: RSSI, Par: -91198
0.379537 Control -> Control: RX_FREQ, Par: 14200000
0.379553 Control -> Display: RX_FREQ, Par: 14200000
0.379676 Control -> Control: SAMPLE_RATE, Par: 8000
0.379684 Control -> Display: SAMPLE_RATE, Par: 8000
0.379691 Display: unhandled command: SAMPLE_RATE, par 8000
0.379698 Control -> Control: SMETER_MODE, Par: 0
0.379705 Control -> Display: SMETER_MODE, Par: 0
0.379844 Control: unhandled command: SMETER_MODE, par 0
0.379852 Control -> Control: STEP, Par: 25000
0.379860 Control -> Display: STEP, Par: 25000
0.379869 Control -> Control: SWR, Par: 0
0.379876 Control -> Display: SWR, Par: 0
0.379884 Control -> Control: TX, Par: 0
0.379891 Control -> Display: TX, Par: 0
```

```
0.380144 Control -> Control: TX_RX, Par: 1
0.380157 Control -> Display: TX_RX, Par: 1
0.380166 Display -> Display: TX_FREQ, Par: 14200000
0.380174 Display -> Control: TX_FREQ, Par: 14200000
0.380182 Display -> Display: RX_FREQ, Par: 14200000
0.380190 Display -> Control: RX_FREQ, Par: 14200000
0.380234 Control -> Control: TX_FREQ, Par: 14200000
0.380242 Control -> Display: TX_FREQ, Par: 14200000
0.380250 Control -> Control: TX_POWER, Par: 100
0.380257 Control -> Display: TX_POWER, Par: 100
0.380265 Control -> Control: VOLUME, Par: 255
0.380273 Control -> Display: VOLUME, Par: 255
0.380281 Control -> Control: MIC, Par: 0
0.380288 Control -> Display: MIC, Par: 0
0.380294 Display: unhandled command: MIC, par 0
0.380301 Control -> Control: WATERFALL_MAX, Par: -20
0.380309 Control -> Display: WATERFALL_MAX, Par: -20
0.380316 Control: unhandled command: WATERFALL_MAX, par -20
0.380323 Control -> Control: WATERFALL_MIN, Par: -140
0.380330 Control -> Display: WATERFALL_MIN, Par: -140
0.380338 Control: unhandled command: WATERFALL_MIN, par -140
0.380345 Control -> Control: DIV1, Par: 40
0.380352 Control -> Display: DIV1, Par: 40
0.380358 Display: unhandled command: DIV1, par 40
0.380366 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.380398 Control -> Control: DIV2, Par: 48
0.380406 Control -> Display: DIV2, Par: 48
0.380412 Display: unhandled command: DIV2, par 48
0.380420 Control -> Display: FFT_SAMPLE_RATE, Par: 64000
0.380450 Control -> Control: TWO_TONE_TEST, Par: 3
0.380458 Control -> Display: TWO_TONE_TEST, Par: 3
0.380466 Display: unhandled command: TWO_TONE_TEST, par 3
0.380495 Control -> Control: TX_DELAY, Par: 0
0.380504 Control -> Display: TX_DELAY, Par: 0
0.380513 Display: unhandled command: TX_DELAY, par 0
0.380521 Control -> Control: FULL_DUPLEX, Par: 0
0.380528 Control -> Display: FULL_DUPLEX, Par: 0
0.380536 Display: unhandled command: FULL_DUPLEX, par 0
0.380544 Control -> Control: NB_LEVEL, Par: 255
0.380551 Control -> Display: NB_LEVEL, Par: 255
0.380561 Control -> Control: INTERNAL, Par: 0
0.380569 Control -> Display: INTERNAL, Par: 0
filter not ready, saved 0
filter not ready, saved 1
0.384030 Control -> Control: NOTCH, Par: 0
0.384054 Control -> Display: NOTCH, Par: 0
0.384069 Control -> Control: SQUELCH, Par: 0
0.384076 Control -> Display: SQUELCH, Par: 0
0.384084 Display: unhandled command: SQUELCH, par 0
0.384093 Control -> Control: DISP_COLOR, Par: 1
```

```
0.384104 Control -> Display: DISP_COLOR, Par: 1
0.384155 Control -> Control: SELECT0, Par: 1
0.384168 Control -> Display: SELECT0, Par: 1
0.384180 Control: unhandled command: SELECT0, par 1
0.384194 Control -> Control: SELECT1, Par: 1
0.384203 Control -> Display: SELECT1, Par: 1
73 ... Sid.

On 13/11/14 03:29, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Using ~/.config/sdr/rasdr.conf from the ODROID-U3 on x86_64 I get the
> same segfault.
> 73 ... Sid.
>
> On 13/11/14 03:24, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I removed ~/.config/sdr/rasdr.conf and get the same problem.
>> With svn, version 1.8.10 (r1615264) it fails on x86_64. "ldd rasdr" all OK.
>>
>> With svn, version 1.8.8 (r1568071) on ARM it works.
>> Same message on ARM but rasdr does not segfault.
>> $ rasdr
>> RaSDR Version 1.3.0
>> rasdr SVN: Unversioned -Ddirectory
>> old settings version is to old ( 0 ), skip
>>
>> set filter tabs 2001 dest: 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> Segmentation fault
>>
>> lancelot@odroidu3:~$ rasdr&
>> [1] 2271
>> lancelot@odroidu3:~$ RaSDR Version 1.3.0
>> rasdr SVN: Unversioned -Ddirectory
>>
>> set filter tabs 2001 dest: 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> filter not ready, saved 0
>> filter not ready, saved 1
>> 1: lost packets 166
>> filter ready
>> set filter tabs 2001 dest: 0
```

```
>> filter ready
>> set filter tabs 501 dest: 1
>> filter ready
>>
>> 73 ... Sid.
>>
>
```

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1283. Re: Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-18 03:40:42 UTC
From: gvjury@...
Topic: 1273 Message: 1283

Hi Jim,

There may be a bug in the gain settings. My alsa config as follows ...

```
gvj@gvj-Mint ~ $ amixer -c 0 contents | grep -A 5 "Capture V\|Capture S"
numid=21,iface=MIXER,name='Capture Switch'
; type=BOOLEAN,access=rw------,values=2
: values=on,on
numid=23,iface=MIXER,name='Capture Switch',index=1
; type=BOOLEAN,access=rw------,values=2
: values=on,off
numid=20,iface=MIXER,name='Capture Volume'
; type=INTEGER,access=rw---R--,values=2,min=0,max=31,step=0
: values=16,12
| dBscale-min=-13.50dB,step=1.50dB,mute=0
numid=22,iface=MIXER,name='Capture Volume',index=1
; type=INTEGER,access=rw---R--,values=2,min=0,max=31,step=0
: values=13,13
| dBscale-min=-13.50dB,step=1.50dB,mute=0
numid=30,iface=MIXER,name='IEC958 Default PCM Playback Switch'
; type=BOOLEAN,access=rw------,values=1
--
numid=44,iface=MIXER,name='Digital Capture Volume'
; type=INTEGER,access=rw---RW-,values=2,min=0,max=120,step=0
: values=60,60
| dBscale-min=-30.00dB,step=0.50dB,mute=0
numid=18,iface=MIXER,name='Input Source'
; type=ENUMERATED,access=rw------,values=1,items=3
gvj@gvj-Mint ~ $
```

I used numid=20 for volume and numid=21 for switch as follows ...

```
mixer_settings = [
("hw:0", 20, 0.6), # numid of microphone volume control, volume 0.0 to 1.0 (Capture
Volume);
("hw:0", 21, 1) # numid of capture on/off control, turn on with 1;
]
```

The problem is that using ("hw:0", 21, 1) always mutes the Capture Volume (and same for "hw:0", 21, 0) but I can set the mute just fine with "amixer -c 0 cset numid=21 1". My workaround is to use mixer settings as follows ...

```
mixer_settings = [
("hw:0", 20, 0.6) # numid of microphone volume control, volume 0.0 to 1.0 (Capture Volume);
# ("hw:0", 21, 1) # numid of capture on/off control, turn on with 1;
]
```

i.e. not worry about switching on the capture on/off control and I suspect the parameter "0 or 1" is not being parsed correctly.

Another issue I have is that I need to use pulse for microphone after issuing this command as no audio is being passed from the microphone. It used to work before but now needs to be started with pasuspender if I want to use alsa (not very important for microphone).

Hope this is of some help.

73, Graeme ZL2APV

1284. Re: Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-18 17:16:57 UTC
From: jahlstr@...
Topic: 1273 Message: 1284

Hello,

I think I see the problem. Your device 21 has two values, and quisk only sets the first one.

```
numid=21,iface=MIXER,name='Capture Switch'
; type=BOOLEAN,access=rw------,values=2
: values=on,on
```

The command
```
("hw:0", 21, 1) # numid of capture on/off control, turn on with 1;
```

would only set the first value to "on" and leave the second unchanged.

To test this idea, run your command
```
gvj@gvj-Mint ~ $ amixer -c 0 contents | grep -A 5 "Capture V\|Capture S"
```

before quisk starts to see the two values of control 21. Then run quisk, and without exiting, run the command again to see that quisk has changed the first but not the second (run amixer in a different terminal window). Also, quisk would only set the volume of the first index of device 20. Please test this and let me know what happens.

I presume the values are the right and left channel. So you may be able to work around this by reversing the left and right channel of the mic. I did not notice this because my mic was monophonic.

I will fix this in the next release, but if this interpretation is correct, I can send you a fixed version if you want.

Jim
N2ADR

1285. Re: Mic gain changes

Yahoo group: n2adr-sdr
Date: 2014-11-19 03:49:52 UTC
From: gvjury@...
Topic: 1273 Message: 1285

Hi Jim,

Thanks for looking into this so promptly. It is as you suspected in the case of the Capture Volume but the Capture Switch turns both off for some reason as shown below ...

Pre starting Quisk values

```
numid=21,iface=MIXER,name='Capture Switch'
; type=BOOLEAN,access=rw------,values=2
: values=on,on

numid=20,iface=MIXER,name='Capture Volume'
; type=INTEGER,access=rw---R--,values=2,min=0,max=31,step=0
: values=30,30
| dBscale-min=-13.50dB,step=1.50dB,mute=0
```

.quisk.conf.py mixer settings

```
mixer_settings = [
("hw:0", 20, 0.4), # numid of microphone volume control, volume 0.0 to 1.0 (Capture
Volume);
("hw:0", 21, 1) # numid of capture on/off control, turn on with 1;
]
```

Post starting Quisk values

```
numid=21,iface=MIXER,name='Capture Switch'
; type=BOOLEAN,access=rw------,values=2
: values=off,off

numid=20,iface=MIXER,name='Capture Volume'
; type=INTEGER,access=rw---R--,values=2,min=0,max=31,step=0
: values=12,0
| dBscale-min=-13.50dB,step=1.50dB,mute=0
```

Running amixer -c 0 cset numid=21 1,1 switches both channels on as follows ...

```
numid=21,iface=MIXER,name='Capture Switch'
; type=BOOLEAN,access=rw------,values=2
: values=on,on
```

Thanks for your kind offer of a special version for me but my workaround of assuming the switch will have been left on from the last application and simply not using that line is working for now and I can wait for the release but having said that I am always available to test a version for you if you want me to.

73 Graeme ZL2APV

1286. Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2014-11-26 22:04:30 UTC
From: Sid Boyce
Topic: 1286 Message: 1286

I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
"evtest /dev/input/event1" then switching to rasdr screen and touch
generates no events.

cat lsusb
Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
TouchScreen
Bus 001 Device 005: ID 1a2c:0c21
Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB

ls -l /dev/input/by-id
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
../event0
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
-> ../event1
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
../mouse0
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
../mouse0
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1287. Re: [n2adr-sdr] Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2014-11-27 15:51:03 UTC
From: Sid Boyce
Topic: 1286 Message: 1287

Removing the keyboard and accessing the Pi using ssh over a second USB Ethernet only the USB sound is seen as an input device after a reboot.
No mouse has ever been connected.
I am using a powered USB hub.

```
slipstream:~ # ssh -X 192.168.10.235
root@192.168.10.235's password:
Linux raspberrypi 3.6.11+ #4 PREEMPT Mon May 13 23:28:22 CEST 2013 armv6l

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Nov 27 15:35:25 2014 from 192.168.10.2
root@raspberrypi:~# l /dev/input/by-id/
total 0
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
root@raspberrypi:~# lsusb
Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
Bus 001 Device 008: ID 0bda:8152 Realtek Semiconductor Corp.
Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
TouchScreen
Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
root@raspberrypi:~# l /dev/input
total 0
drwxr-xr-x 2 root root 60 Jan 1 1970 by-id
drwxr-xr-x 2 root root 60 Jan 1 1970 by-path
crw-rw---T 1 root input 13, 64 Jan 1 1970 event0
crw-rw---T 1 root input 13, 63 Jan 1 1970 mice

root@raspberrypi:~# l /dev/input/by-path/
total 0
lrwxrwxrwx 1 root root 9 Jan 1 1970
platform-bcm2708_usb-usb-0:1.3.4.2:1.3-event -> ../event0

root@raspberrypi:~# cat /proc/asound/cards
0 [ALSA ]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
bcm2835 ALSA
```

1 [Set]: USB-Audio - USB Headphone Set
USB Headphone Set at usb-bcm2708_usb-1.3.4.2,
full speed
73 ... Sid.

On 26/11/14 22:04, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
> "evtest /dev/input/event1" then switching to rasdr screen and touch
> generates no events.
>
> # cat lsusb
> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
> Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
> Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
> TouchScreen
> Bus 001 Device 005: ID 1a2c:0c21
> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>
> # ls -l /dev/input/by-id
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
> ../event0
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
> -> ../event1
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
> ../mouse0
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
> ../mouse0
> 73 ... Sid.
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1288. Re: [n2adr-sdr] Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2014-11-30 11:21:35 UTC
From: Sid Boyce
Topic: 1286 Message: 1288

```
Started afresh with 2014-09-09-wheezy-raspbian.img
Built and installed a new kernel on RasPi with options
CONFIG_INPUT_TOUCHSCREEN=y
CONFIG_TOUCHSCREEN_USB_EGALAX=y

Getting some response from touch with rasdr, not everything works yet so
more things need looking at.
Ethernets reversed from what they were with rasdr_1.3.0.img, need to create
/etc/udev/rules.d/70-persistent-net.rules
root@raspberrypi:~# uname -r
3.12.33+
root@raspberrypi:~# ls -l /dev/input/by-id
total 0
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-0c76_USB_Headphone_Set-event-if03 -> ../event1
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-eGalax_Inc._USB_TouchController-event-if00 -> ../event4
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-Griffin_Technology__Inc._Griffin_PowerMate-event-if00 -> ../event0
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
../event2
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
-> ../event3
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-USB_USB_Keyboard-if01-event-mouse -> ../event3
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
../mouse0
lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
../mouse0
root@raspberrypi:~#
73 ... Sid.

On 27/11/14 15:51, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Removing the keyboard and accessing the Pi using ssh over a second USB
> Ethernet only the USB sound is seen as an input device after a reboot.
> No mouse has ever been connected.
> I am using a powered USB hub.
>
> slipstream:~ # ssh -X 192.168.10.235
> root@192.168.10.235's password:
> Linux raspberrypi 3.6.11+ #4 PREEMPT Mon May 13 23:28:22 CEST 2013 armv6l
>
> The programs included with the Debian GNU/Linux system are free software;
> the exact distribution terms for each program are described in the
```

> individual files in /usr/share/doc/*/copyright.
>
> Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
> permitted by applicable law.
> Last login: Thu Nov 27 15:35:25 2014 from 192.168.10.2
> root@raspberrypi:~# l /dev/input/by-id/
> total 0
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
> root@raspberrypi:~# lsusb
> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
> Bus 001 Device 008: ID 0bda:8152 Realtek Semiconductor Corp.
> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
> Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
> TouchScreen
> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
> root@raspberrypi:~# l /dev/input
> total 0
> drwxr-xr-x 2 root root 60 Jan 1 1970 by-id
> drwxr-xr-x 2 root root 60 Jan 1 1970 by-path
> crw-rw---T 1 root input 13, 64 Jan 1 1970 event0
> crw-rw---T 1 root input 13, 63 Jan 1 1970 mice
>
> root@raspberrypi:~# l /dev/input/by-path/
> total 0
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> platform-bcm2708_usb-usb-0:1.3.4.2:1.3-event -> ../event0
>
> root@raspberrypi:~# cat /proc/asound/cards
> 0 [ALSA]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
> bcm2835 ALSA
> 1 [Set]: USB-Audio - USB Headphone Set
> USB Headphone Set at usb-bcm2708_usb-1.3.4.2,
> full speed
> 73 ... Sid.
>
> On 26/11/14 22:04, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
>> "evtest /dev/input/event1" then switching to rasdr screen and touch
>> generates no events.
>>
>> # cat lsusb
>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>> Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.

```
>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>> TouchScreen
>> Bus 001 Device 005: ID 1a2c:0c21
>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>
>> # ls -l /dev/input/by-id
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
>> ../event0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
>> -> ../event1
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
>> ../mouse0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
>> ../mouse0
>> 73 ... Sid.
>>
>
```

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1289. Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2014-12-10 17:03:08 UTC
From: Gena Pechen
Topic: 1286 Message: 1289

Hi, friends,

Is there a ham logger program for Windows (except fldigi), which supports
data exchange (frequency, mode) with QUISK via XML-RPC?

Thanks in advance for the answers.

73! Gena, EW1EA.

1290. Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2014-12-10 21:30:46 UTC
From: dh5ym@...
Topic: 1286 Message: 1290

Hi Gena,

basically any software that can support hamlib should work. Not sure how often hamlib is used for Win software.

regards
Mario

1291. Re: [n2adr-sdr] Re: Quisk on Ubuntu 12.04 issue with wxgtk

Yahoo group: n2adr-sdr
Date: 2014-12-11 00:09:47 UTC
From: Patriot121@...
Topic: 732 Message: 1291

Dang ... im using Ubuntu 14.04 and this is still persistant ....

1292. ODROID-C1

Yahoo group: n2adr-sdr
Date: 2014-12-11 17:10:01 UTC
From: Sid Boyce
Topic: 1292 Message: 1292

$35, same as Raspberry Pi B+ with quad-core CPU, Gigabit Ethernet and
1GB memory.
I want one to replace the Pi for standalone HiQSDR.

Pollin.de has lots of gear for it but it's not yet available either from
them or hardkernel.com.

It's supposed to be available sometime later this month.
http://magazine.odroid.com/assets/201412/pdf/ODROID-Magazine-201412.pdf
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1293. ArmCortex waterfall issues

Yahoo group: n2adr-sdr
Date: 2014-12-12 01:18:47 UTC
From: Patriot121@...
Topic: 1293 Message: 1293

is this caued by not having python2.7-dev ??

self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale) File "quisk.py", line 1856, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) // 4, 1, row)
File "/usr/lib/python2.7/dist- packages/wx-2.8-gtk2-unicode/ wx/_gdi.py", line 856, in BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.
Traceback (most recent call last):
File "/usr/lib/python2.7/dist- packages/wx-2.8-gtk2-unicode/ wx/_core.py", line 14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw http://event.kw))
File "quisk.py", line 4004, in OnReadSound
self.waterfall.OnGraphData(data) # save waterfall data
File "quisk.py", line 1921, in OnGraphData
self.pane2.OnGraphData(data)
File "quisk.py", line 1951, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1856, in OnGraphData
bmp = wx.BitmapFromBuffer(len(row) // 4, 1, row)
File "/usr/lib/python2.7/dist- packages/wx-2.8-gtk2-unicode/ wx/_gdi.py", line 856, in BitmapFromBuffer
return _gdi_._BitmapFromBuffer(width, height, dataBuffer)
RuntimeError: Failed to gain raw access to bitmap data.

Seen that Sid found a part solution with

bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)

but looks odd and the waterfall is off center ....

Im using a Imo touch2 (Displaylink driven) on a quad core Odroid (arm processor)

I found a blog about installing / running quisk after i came upstairs from the garage (AKA radio room) ... and im not sure if that package is installed .. or even relevent anymore ...

Sid was working on Ubuntu 12 an im running Ubuntu 14.04 ...

1294. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2014-12-12 08:47:57 UTC
From: Gena Pechen
Topic: 1286 Message: 1294

Hi, Mario,

All true, I did not find one program to my regret.
I guess that simple way to use the QUISK with any Windows ham logger --
program translator XML-RPC <--> virtual COM-port to data exchange. Perhaps
someone from programmers to write such a program.

73! Gena, EW1EA.

Hi Gena,

basically any software that can support hamlib should work. Not sure how
often hamlib is used for Win software.

regards
Mario

1295. Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-15 08:18:29 UTC
From: Mike
Topic: 1295 Message: 1295

Hi ....

Im looking for where to change the frequency divide by when sending and retrieving the Si570 frequency ...

My RF front end is not divide by 4 but is divide by 2 .... and top end freq of 600mhz ...

I used to add a "-m2" to the end of the softrock call string .. but i think your using your own usb handling now ...

--
Mike KC7NOA

1296. Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-15 18:41:53 UTC
From: jahlstr@...
Topic: 1295 Message: 1296

Hello Mike,

The multiplication by four is hard wired into the file softrock/hardware_usb.py in the methods SetFreqByValue() and SetFreqByDirect(). You can change it there if you want.

Since your top frequency is 600 MHz I presume you are using a transverter, and need to subtract an offset. The next release will have this feature.

The easiest way to get what you want now is to write your own hardware file into your config file, and write a new ChangeFrequency() method. You would multiply the frequency by two before sending it to the Si570. And you could subtract the transverter offset too.

Jim
N2ADR

1297. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-15 21:17:14 UTC
From: Mike
Topic: 1295 Message: 1297

No transverter .....

Im using a Si570 Class A .. its output can go to 1.476Ghz ... AND has a 180Deg output , so a divide by 2 is only needed for 90Deg Quadrature operation.

Ill look search for SetFreqByValue in hardware_usb.py ...

I looked there yesterday ... but was not sure what to do there .... didn't recognise the coding of a few years ago .. so i figured id wait for a response.

Ill let you know if i'm stumped.

On 12/15/2014 10:41 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Mike,
>
>
> The multiplication by four is hard wired into the file
> softrock/hardware_usb.py in the methods SetFreqByValue() and
> SetFreqByDirect(). You can change it there if you want.
>
> Since your top frequency is 600 MHz I presume you are using a
> transverter, and need to subtract an offset. The next release will
> have this feature.
>
> The easiest way to get what you want now is to write your own hardware
> file into your config file, and write a new ChangeFrequency() method.
> You would multiply the frequency by two before sending it to the
> Si570. And you could subtract the transverter offset too.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1298. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-15 21:56:55 UTC
From: Sid Boyce
Topic: 1295 Message: 1298

```
Looking at the code.
def SetFreqByValue(self, freq):
freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
if freq <= 0:
return
s = UBYTE4.pack(freq)
try:
self.usb_dev.ctrl_transfer(OUT, 0x32, self.si570_i2c_address +
0x700, 0, s)
except usb.core.USBError:
if DEBUG: traceback.print_exc()
else:
return True
def SetFreqByDirect(self, freq): # Thanks to Ethan Blanton, KB8OJH
if freq == 0.0:
return False
# For now, find the minimum DCO speed that will give us the
# desired frequency; if we're slewing in the future, we want this
# to additionally yield an RFREQ ~= 512.
freq = int(freq * 4)

May be it needs to be:-
freq = int(freq * 2)
73 ... Sid.

On 15/12/14 21:17, Mike Patriot121@... [n2adr-sdr] wrote:
>
> No transverter .....
>
> Im using a Si570 Class A .. its output can go to 1.476Ghz ... AND has
> a 180Deg output , so a divide by 2 is only needed for 90Deg Quadrature
> operation.
>
> Ill look search for SetFreqByValue in hardware_usb.py ...
>
> I looked there yesterday ... but was not sure what to do there ....
> didn't recognise the coding of a few years ago .. so i figured id wait
> for a response.
>
> Ill let you know if i'm stumped.
>
>
>
>
> On 12/15/2014 10:41 AM, jahlstr@... [n2adr-sdr] wrote:
```

>> ?
>>
>> Hello Mike,
>>
>>
>> The multiplication by four is hard wired into the file
>> softrock/hardware_usb.py in the methods SetFreqByValue() and
>> SetFreqByDirect(). ? You can change it there if you want.
>>
>> Since your top frequency is 600 MHz I presume you are using a
>> transverter, and need to subtract an offset. ? The next release will
>> have this feature.
>>
>> The easiest way to get what you want now is to write your own
>> hardware file into your config file, and write a new
>> ChangeFrequency() method. ? You would multiply the frequency by two
>> before sending it to the Si570. ? And you could subtract the
>> transverter offset too.
>>
>> Jim
>> N2ADR
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1299. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-15 23:33:24 UTC
From: Mike
Topic: 1295 Message: 1299

Yep .. thats what i found too ...

I tried first...

freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)

to

freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)

with no effect ...

Now to find the softwares frequency limitation ... looks like its limited to some where below 240Mhz ....(120Mhz ish) ...

The upper freq ranges fo rthe Class A Si570 didnt work ....

Didn't try usbsoftrock yet as a second test ....

My Si570 might be faulty too ... who knows .

On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)

--
Mike KC7NOA

1300. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 02:32:21 UTC
From: Sid Boyce
Topic: 1295 Message: 1300

I had a SDR-Widget which was not at that time being recognised by quisk as a composite device so I could only access the audio part - "You don't have sufficient permissions to access the ....", that was no access to the si570.

I had to use the VK6JBL changes but I think a fix for the Peaberry cured that but by the time that was known I didn't have the UHFSDR + Widget available to test.

With the VK6JBL changes I used this script to set per band division, run once and it was stored in EEPROM as Alex said, never found out if that was stored on the Widget or somewhere else.

```
------------------------ CUT -------------------------------
#!/bin/sh
usbsoftrock set si570_multiplier 0 0.5
usbsoftrock set si570_multiplier 1 0.5
usbsoftrock set si570_multiplier 2 0.5
usbsoftrock set si570_multiplier 3 0.5
usbsoftrock set si570_multiplier 4 0.5
usbsoftrock set si570_multiplier 5 0.5
usbsoftrock set si570_multiplier 6 0.5
usbsoftrock set si570_multiplier 7 0.5
usbsoftrock set si570_multiplier 8 0.5
------------------------ CUT -------------------------------
```

73 ... Sid.

On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:

```
> Yep .. thats what i found too ...
>
> I tried first...
>
> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>
> to
>
> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)
>
> with no effect ...
>
> Now to find the softwares frequency limitation ... looks like its
> limited to some where below 240Mhz ....(120Mhz ish) ...
>
> The upper freq ranges fo rthe Class A Si570 didnt work ....
>
> Didn't try usbsoftrock yet as a second test ....
>
```

> My Si570 might be faulty too ... who knows .
>
> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1301. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 02:45:16 UTC
From: Mike
Topic: 1295 Message: 1301

I think thats set/saved in the flash of the AVR ... i probably will not
go that route ....
Id like to use the GPIO's of the Odroid to control the Si570 soon and
also control the band switchiong of my amps and BPF's ..... getting
close now ....
That big wait for onboard sound was a huge waste .... oh well .. my time
is cheaper than a FT-817ND ...(so my wife says -- hi hi)

On 12/15/2014 06:32 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I had a SDR-Widget which was not at that time being recognised by quisk
> as a composite device so I could only access the audio part - "You don't
> have sufficient permissions to access the ....", that was no access to
> the si570.
>
> I had to use the VK6JBL changes but I think a fix for the Peaberry cured
> that but by the time that was known I didn't have the UHFSDR + Widget
> available to test.
>
> With the VK6JBL changes I used this script to set per band division,
> run once and it was stored in EEPROM as Alex said, never found out if
> that was stored on the Widget or somewhere else.
> ------------------------ CUT -----------------------------
> #!/bin/sh
> usbsoftrock set si570_multiplier 0 0.5
> usbsoftrock set si570_multiplier 1 0.5
> usbsoftrock set si570_multiplier 2 0.5
> usbsoftrock set si570_multiplier 3 0.5
> usbsoftrock set si570_multiplier 4 0.5
> usbsoftrock set si570_multiplier 5 0.5
> usbsoftrock set si570_multiplier 6 0.5
> usbsoftrock set si570_multiplier 7 0.5
> usbsoftrock set si570_multiplier 8 0.5
> ------------------------ CUT -------------------------------
> 73 ... Sid.
>
> On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:
>> Yep .. thats what i found too ...
>>
>> I tried first...
>>
>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>
>> to
>>
>> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)

>>
>> with no effect ...
>>
>> Now to find the softwares frequency limitation ... looks like its
>> limited to some where below 240Mhz ....(120Mhz ish) ...
>>
>> The upper freq ranges fo rthe Class A Si570 didnt work ....
>>
>> Didn't try usbsoftrock yet as a second test ....
>>
>> My Si570 might be faulty too ... who knows .
>>
>> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>

--
Mike KC7NOA

1302. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 02:46:34 UTC
From: Mike
Topic: 1295 Message: 1302

BTY .. that is only for HF right?

Ill need more for VHF/UHF ...

On 12/15/2014 06:32 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I had a SDR-Widget which was not at that time being recognised by quisk
> as a composite device so I could only access the audio part - "You don't
> have sufficient permissions to access the ....", that was no access to
> the si570.
>
> I had to use the VK6JBL changes but I think a fix for the Peaberry cured
> that but by the time that was known I didn't have the UHFSDR + Widget
> available to test.
>
> With the VK6JBL changes I used this script to set per band division,
> run once and it was stored in EEPROM as Alex said, never found out if
> that was stored on the Widget or somewhere else.
> ------------------------ CUT ------------------------------
> #!/bin/sh
> usbsoftrock set si570_multiplier 0 0.5
> usbsoftrock set si570_multiplier 1 0.5
> usbsoftrock set si570_multiplier 2 0.5
> usbsoftrock set si570_multiplier 3 0.5
> usbsoftrock set si570_multiplier 4 0.5
> usbsoftrock set si570_multiplier 5 0.5
> usbsoftrock set si570_multiplier 6 0.5
> usbsoftrock set si570_multiplier 7 0.5
> usbsoftrock set si570_multiplier 8 0.5
> ------------------------ CUT --------------------------------
> 73 ... Sid.
>
> On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:
>> Yep .. thats what i found too ...
>>
>> I tried first...
>>
>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>
>> to
>>
>> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)
>>
>> with no effect ...
>>
>> Now to find the softwares frequency limitation ... looks like its

>> limited to some where below 240Mhz ....(120Mhz ish) ...
>>
>> The upper freq ranges fo rthe Class A Si570 didnt work ....
>>
>> Didn't try usbsoftrock yet as a second test ....
>>
>> My Si570 might be faulty too ... who knows .
>>
>> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>

--
Mike KC7NOA

1303. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 03:21:39 UTC
From: Sid Boyce
Topic: 1295 Message: 1303

```
It was for me but I think ~/.quisk_conf.py could be modified to suit.
BandEdge = {
'160':( 1800000, 2000000), '80' :( 3500000, 4000000),
'60' :( 5300000, 5430000), '40' :( 7000000, 7300000),
'30' :(10100000, 10150000), '20' :(14000000, 14350000),
'17' :(18068000, 18168000), '15' :(21000000, 21450000),
'12' :(24890000, 24990000), '10' :(28000000, 29700000),
'6' :(50000000, 54000000),
}

# For each band, this dictionary gives the initial center frequency, tuning
# frequency as an offset from the center frequency, and the mode. This is
# no longer too useful because the persistent_state feature saves and then
# overwrites these values anyway.
bandState = {'Audio':(0, 0, 'LSB'),
'160':( 1890000, -10000, 'LSB'), '80' :( 3660000, -10000, 'LSB'),
'60' :( 5370000, 1500, 'USB'), '40' :( 7180000, -5000, 'LSB'),
'30':(10120000, -10000, 'CWL'),
'20' :(14200000, -10000, 'USB'), '17' :(18120000, 10000, 'USB'),
'15':(21250000, -10000, 'USB'),
'12' :(24940000, 10000, 'USB'), '10' :(28400000, -10000, 'USB'),
etc.
73 ... Sid.

On 16/12/14 02:46, Mike Patriot121@... [n2adr-sdr] wrote:
> BTY .. that is only for HF right?
>
> Ill need more for VHF/UHF ...
>
>
> On 12/15/2014 06:32 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I had a SDR-Widget which was not at that time being recognised by quisk
>> as a composite device so I could only access the audio part - "You don't
>> have sufficient permissions to access the ....", that was no access to
>> the si570.
>>
>> I had to use the VK6JBL changes but I think a fix for the Peaberry cured
>> that but by the time that was known I didn't have the UHFSDR + Widget
>> available to test.
>>
>> With the VK6JBL changes I used this script to set per band division,
>> run once and it was stored in EEPROM as Alex said, never found out if
>> that was stored on the Widget or somewhere else.
>> ----------------------- CUT -----------------------------
>> #!/bin/sh
```

>> usbsoftrock set si570_multiplier 0 0.5
>> usbsoftrock set si570_multiplier 1 0.5
>> usbsoftrock set si570_multiplier 2 0.5
>> usbsoftrock set si570_multiplier 3 0.5
>> usbsoftrock set si570_multiplier 4 0.5
>> usbsoftrock set si570_multiplier 5 0.5
>> usbsoftrock set si570_multiplier 6 0.5
>> usbsoftrock set si570_multiplier 7 0.5
>> usbsoftrock set si570_multiplier 8 0.5
>> ------------------------ CUT --------------------------------
>> 73 ... Sid.
>>
>> On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Yep .. thats what i found too ...
>>>
>>> I tried first...
>>>
>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>>
>>> to
>>>
>>> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)
>>>
>>> with no effect ...
>>>
>>> Now to find the softwares frequency limitation ... looks like its
>>> limited to some where below 240Mhz ....(120Mhz ish) ...
>>>
>>> The upper freq ranges fo rthe Class A Si570 didnt work ....
>>>
>>> Didn't try usbsoftrock yet as a second test ....
>>>
>>> My Si570 might be faulty too ... who knows .
>>>
>>> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1304. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 03:58:48 UTC
From: Mike
Topic: 1295 Message: 1304

I have band buttons set up for the rest of the ham bands ... i guess
N2ADR already set the USA band limits ... they are there and i didn't do
it ... i just changed some of the buttons ...

I don't know how to add more .. and when im in full screen the buttons
cover over the display slider gain controls ... not sure how to fix that.
Thats not all that high on my priority list ... full use of my Si570AAB
is right now on hte list.

then to get Tx operational ...

Not sure if my D-104 is going to be compatible with the mic input of a
CM-108 i just got (it was 1.10$USD) .... i got it cause its small ....

On 12/15/2014 07:21 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> It was for me but I think ~/.quisk_conf.py could be modified to suit.
> BandEdge = {
> '160':(1800000, 2000000), '80' :(3500000, 4000000),
> '60' :(5300000, 5430000), '40' :(7000000, 7300000),
> '30' :(10100000, 10150000), '20' :(14000000, 14350000),
> '17' :(18068000, 18168000), '15' :(21000000, 21450000),
> '12' :(24890000, 24990000), '10' :(28000000, 29700000),
> '6' :(50000000, 54000000),
> }
>
> # For each band, this dictionary gives the initial center frequency, tuning
> # frequency as an offset from the center frequency, and the mode. This is
> # no longer too useful because the persistent_state feature saves and then
> # overwrites these values anyway.
> bandState = {'Audio':(0, 0, 'LSB'),
> '160':(1890000, -10000, 'LSB'), '80' :(3660000, -10000, 'LSB'),
> '60' :(5370000, 1500, 'USB'), '40' :(7180000, -5000, 'LSB'),
> '30':(10120000, -10000, 'CWL'),
> '20' :(14200000, -10000, 'USB'), '17' :(18120000, 10000, 'USB'),
> '15':(21250000, -10000, 'USB'),
> '12' :(24940000, 10000, 'USB'), '10' :(28400000, -10000, 'USB'),
> etc.
> 73 ... Sid.
>
> On 16/12/14 02:46, Mike Patriot121@... [n2adr-sdr] wrote:
>> BTY .. that is only for HF right?
>>
>> Ill need more for VHF/UHF ...
>>
>>
>> On 12/15/2014 06:32 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:

>>> I had a SDR-Widget which was not at that time being recognised by quisk
>>> as a composite device so I could only access the audio part - "You don't
>>> have sufficient permissions to access the ....", that was no access to
>>> the si570.
>>>
>>> I had to use the VK6JBL changes but I think a fix for the Peaberry cured
>>> that but by the time that was known I didn't have the UHFSDR + Widget
>>> available to test.
>>>
>>> With the VK6JBL changes I used this script to set per band division,
>>> run once and it was stored in EEPROM as Alex said, never found out if
>>> that was stored on the Widget or somewhere else.
>>> ------------------------ CUT -----------------------------
>>> #!/bin/sh
>>> usbsoftrock set si570_multiplier 0 0.5
>>> usbsoftrock set si570_multiplier 1 0.5
>>> usbsoftrock set si570_multiplier 2 0.5
>>> usbsoftrock set si570_multiplier 3 0.5
>>> usbsoftrock set si570_multiplier 4 0.5
>>> usbsoftrock set si570_multiplier 5 0.5
>>> usbsoftrock set si570_multiplier 6 0.5
>>> usbsoftrock set si570_multiplier 7 0.5
>>> usbsoftrock set si570_multiplier 8 0.5
>>> ------------------------ CUT --------------------------------
>>> 73 ... Sid.
>>>
>>> On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> Yep .. thats what i found too ...
>>>>
>>>> I tried first...
>>>>
>>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>>>
>>>> to
>>>>
>>>> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)
>>>>
>>>> with no effect ...
>>>>
>>>> Now to find the softwares frequency limitation ... looks like its
>>>> limited to some where below 240Mhz ....(120Mhz ish) ...
>>>>
>>>> The upper freq ranges fo rthe Class A Si570 didnt work ....
>>>>
>>>> Didn't try usbsoftrock yet as a second test ....
>>>>
>>>> My Si570 might be faulty too ... who knows .
>>>>
>>>> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)

>

--
Mike KC7NOA

1305. Re: [n2adr-sdr] Re: Quisk softrock

Yahoo group: n2adr-sdr
Date: 2014-12-16 04:03:15 UTC
From: Mike
Topic: 1295 Message: 1305

Im backwards .. its a Si570BAB (should be)

On 12/15/2014 07:58 PM, Mike wrote:
> I have band buttons set up for the rest of the ham bands ... i guess
> N2ADR already set the USA band limits ... they are there and i didn't
> do it ... i just changed some of the buttons ...
>
> I don't know how to add more .. and when im in full screen the buttons
> cover over the display slider gain controls ... not sure how to fix that.
> Thats not all that high on my priority list ... full use of my
> Si570AAB is right now on hte list.
>
> then to get Tx operational ...
>
> Not sure if my D-104 is going to be compatible with the mic input of a
> CM-108 i just got (it was 1.10$USD) .... i got it cause its small ....
>
>
> On 12/15/2014 07:21 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>> It was for me but I think ~/.quisk_conf.py could be modified to suit.
>> BandEdge = {
>> '160':(1800000, 2000000), '80' :(3500000, 4000000),
>> '60' :(5300000, 5430000), '40' :(7000000, 7300000),
>> '30' :(10100000, 10150000), '20' :(14000000, 14350000),
>> '17' :(18068000, 18168000), '15' :(21000000, 21450000),
>> '12' :(24890000, 24990000), '10' :(28000000, 29700000),
>> '6' :(50000000, 54000000),
>> }
>>
>> # For each band, this dictionary gives the initial center frequency,
>> tuning
>> # frequency as an offset from the center frequency, and the mode.
>> This is
>> # no longer too useful because the persistent_state feature saves and
>> then
>> # overwrites these values anyway.
>> bandState = {'Audio':(0, 0, 'LSB'),
>> '160':(1890000, -10000, 'LSB'), '80' :(3660000, -10000,
>> 'LSB'),
>> '60' :(5370000, 1500, 'USB'), '40' :(7180000, -5000, 'LSB'),
>> '30':(10120000, -10000, 'CWL'),
>> '20' :(14200000, -10000, 'USB'), '17' :(18120000, 10000, 'USB'),
>> '15':(21250000, -10000, 'USB'),
>> '12' :(24940000, 10000, 'USB'), '10' :(28400000, -10000,

>> 'USB'),
>> etc.
>> 73 ... Sid.
>>
>> On 16/12/14 02:46, Mike Patriot121@... [n2adr-sdr] wrote:
>>> BTY .. that is only for HF right?
>>>
>>> Ill need more for VHF/UHF ...
>>>
>>>
>>> On 12/15/2014 06:32 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>> I had a SDR-Widget which was not at that time being recognised by
>>>> quisk
>>>> as a composite device so I could only access the audio part - "You
>>>> don't
>>>> have sufficient permissions to access the ....", that was no access to
>>>> the si570.
>>>>
>>>> I had to use the VK6JBL changes but I think a fix for the Peaberry
>>>> cured
>>>> that but by the time that was known I didn't have the UHFSDR + Widget
>>>> available to test.
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>>>> With the VK6JBL changes I used this script to set per band division,
>>>> run once and it was stored in EEPROM as Alex said, never found out if
>>>> that was stored on the Widget or somewhere else.
>>>> ------------------------ CUT -----------------------------
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>>>> usbsoftrock set si570_multiplier 1 0.5
>>>> usbsoftrock set si570_multiplier 2 0.5
>>>> usbsoftrock set si570_multiplier 3 0.5
>>>> usbsoftrock set si570_multiplier 4 0.5
>>>> usbsoftrock set si570_multiplier 5 0.5
>>>> usbsoftrock set si570_multiplier 6 0.5
>>>> usbsoftrock set si570_multiplier 7 0.5
>>>> usbsoftrock set si570_multiplier 8 0.5
>>>> ------------------------ CUT -------------------------------
>>>> 73 ... Sid.
>>>>
>>>> On 15/12/14 23:33, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> Yep .. thats what i found too ...
>>>>>
>>>>> I tried first...
>>>>>
>>>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>>>>
>>>>> to
>>>>>

>>>>> freq = int(freq/1.0e6 * 2097152.0 * 2.0 + 0.5)
>>>>>
>>>>> with no effect ...
>>>>>
>>>>> Now to find the softwares frequency limitation ... looks like its
>>>>> limited to some where below 240Mhz ....(120Mhz ish) ...
>>>>>
>>>>> The upper freq ranges fo rthe Class A Si570 didnt work ....
>>>>>
>>>>> Didn't try usbsoftrock yet as a second test ....
>>>>>
>>>>> My Si570 might be faulty too ... who knows .
>>>>>
>>>>> On 12/15/2014 01:56 PM, Sid Boyce g3vbv@...
>>>>> [n2adr-sdr] wrote:
>>>>>> freq = int(freq/1.0e6 * 2097152.0 * 4.0 + 0.5)
>>
>

--
Mike KC7NOA

1306. Quisk Si570 max freq

Yahoo group: n2adr-sdr
Date: 2014-12-16 07:12:08 UTC
From: Mike
Topic: 1306 Message: 1306

Ok ... i don't see the difference yet in deriving the min "divide by"
comparing pe0fko's code and Jims .... (and Alex Lee)

The class "A" Si570 is saposed to have no limitations on division
combinations ....

usbsoftrock can set a freq of 490 (with -m2 switch) and recalled ok ....
my signal generator shows on the Quisk display when i do set the freq
with usbsoftrock ....so i don't have a hardware problem ....

--
Mike KC7NOA

1307. Re: [n2adr-sdr] Quisk Si570 max freq

Yahoo group: n2adr-sdr
Date: 2014-12-16 13:38:05 UTC
From: Marciniak, Ed
Topic: 1306 Message: 1307

By design, there are gaps in coverage from 945-970.4 and 1134-1213 MHz due to the min/max VCO frequency range (4852-5670 mhz) and the first divider changing from /4 to /5 to /6.

I'd be curious☐ if anyone has tried say 1136 or 1152 MHz and found that it works with certain voltage/temperature range, or whether it is just plain locked out. Can anyone comment?

From: Mike Patriot121@msn.com [n2adr-sdr]
Sent: Tuesday, December 16, 2014 1:14 AM
To: n2adr-sdr@yahoogroups.com
Reply To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Quisk Si570 max freq

Ok ... i don't see the difference yet in deriving the min "divide by"
comparing pe0fko's code and Jims .... (and Alex Lee)

The class "A" Si570 is saposed to have no limitations on division
combinations ....

usbsoftrock can set a freq of 490 (with -m2 switch) and recalled ok ....
my signal generator shows on the Quisk display when i do set the freq
with usbsoftrock ....so i don't have a hardware problem ....

--
Mike KC7NOA

1308. Re: [n2adr-sdr] Quisk Si570 max freq

Yahoo group: n2adr-sdr
Date: 2014-12-16 16:44:47 UTC
From: Mike
Topic: 1306 Message: 1308

just did .... with usbsoftrock ....
those gaps are not programmable as far as i can see ...

Quisk seems to not be able to go past 440Mhz(Si570) or so .... so right now i manually enter a freq above 1.25M --- it must be done with usbsoftrock.

On 12/16/2014 05:38 AM, 'Marciniak, Ed' elmarciniak@mnits.net
[n2adr-sdr] wrote:
>
> By design, there are gaps in coverage from 945-970.4 and 1134-1213 MHz
> due to the min/max VCO frequency range (4852-5670 mhz) and the first
> divider changing from /4 to /5 to /6.
>
> I'd be curious□ if anyone has tried say 1136 or 1152 MHz and found
> that it works with certain voltage/temperature range, or whether it is
> just plain locked out. Can anyone comment?
>
> From: Mike Patriot121@... [n2adr-sdr]
> Sent: Tuesday, December 16, 2014 1:14 AM
> To: n2adr-sdr@yahoogroups.com
> Reply To: n2adr-sdr@yahoogroups.com
> Subject: [n2adr-sdr] Quisk Si570 max freq
>
>
>
>
> Ok ... i don't see the difference yet in deriving the min "divide by"
> comparing pe0fko's code and Jims .... (and Alex Lee)
>
> The class "A" Si570 is saposed to have no limitations on division
> combinations ....
>
> usbsoftrock can set a freq of 490 (with -m2 switch) and recalled ok ....
> my signal generator shows on the Quisk display when i do set the freq
> with usbsoftrock ....so i don't have a hardware problem ....
>
> --
> Mike KC7NOA
>
>
>
>
>
>

--
Mike KC7NOA

1309. Re: [n2adr-sdr] Quisk Si570 max freq

Yahoo group: n2adr-sdr
Date: 2014-12-16 23:28:12 UTC
From: Mike
Topic: 1306 Message: 1309

i think its a math issue.... unless a GDO outside the operational range is employed ...

I see the CFGSR has an option for that .... not sure if it works or how quick damage would ensue if went too far out .... i have only one Si570 Class A .. and i dont want to destroy it ...

On 12/16/2014 05:38 AM, 'Marciniak, Ed' elmarciniak@...
[n2adr-sdr] wrote:
>
> By design, there are gaps in coverage from 945-970.4 and 1134-1213 MHz
> due to the min/max VCO frequency range (4852-5670 mhz) and the first
> divider changing from /4 to /5 to /6.
>
> I'd be curious☐ if anyone has tried say 1136 or 1152 MHz and found
> that it works with certain voltage/temperature range, or whether it is
> just plain locked out. Can anyone comment?
>
> From: Mike Patriot121@... [n2adr-sdr]
> Sent: Tuesday, December 16, 2014 1:14 AM
> To: n2adr-sdr@yahoogroups.com
> Reply To: n2adr-sdr@yahoogroups.com
> Subject: [n2adr-sdr] Quisk Si570 max freq
>
>
>
>
> Ok ... i don't see the difference yet in deriving the min "divide by"
> comparing pe0fko's code and Jims .... (and Alex Lee)
>
> The class "A" Si570 is saposed to have no limitations on division
> combinations ....
>
> usbsoftrock can set a freq of 490 (with -m2 switch) and recalled ok ....
> my signal generator shows on the Quisk display when i do set the freq
> with usbsoftrock ....so i don't have a hardware problem ....
>
> --
> Mike KC7NOA
>
>
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>
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>

--
Mike KC7NOA

1310. UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2014-12-17 06:43:13 UTC
From: Mike
Topic: 1310 Message: 1310

Well ... sorry for the bandwidth ....

Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
it saposed to be good up to 1.41Ghz output ... mine is LVDS output.

Iv had a bit of a problem for a while of not being able to use anything
above 1.25M hamband for some reason.
I knew that usbsoftrock would set higher frequencies .... just not why.

I think i found the answer tonight .... and i hope Jim is ok with me
posting the change to hardware_usb.py in the softrock folder ....

actually i made 2 changes .. but ill get to the other later for users of
divide by 2 Rf front ends ...

im not sure what line number right now .... but its about 3/4 the way down.

```
# For now, find the minimum DCO speed that will give us the
# desired frequency; if we're slewing in the future, we want this
# to additionally yield an RFREQ ~= 512.
freq = int(freq * 4)
dco_new = None
hsdiv_new = 0
n1_new = 0
for hsdiv in SI570_HSDIV_VALUES:
n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
if n1 < 1:
n1 = 1
else: <::::::: Remark
me with a "#" at the beginning of this line
n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
"#" at the beginning of this line
dco = (freq * 1.0) * hsdiv * n1
```

I know what the "else:" is doing here in this code area ...
but not
n1 = ((n1 + 1) / 2) * 2

If n1 was 1.1 from the previous code --- with wanting a freq of 940Mhz ...

n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
4.85ghz / ((940Ghz * 4)
note: 4 is the lowest hsdiv you can have

then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)

n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)

so in equation n1 = ((n1 + 1) / 2) * 2 where
n1 = ((1+1)/2)*2
n1 = ((2) /2)*2
n1 = (1)*2
n1 = 2 ..... n1 started as 1 and when ever n1
is below 2 , it will be recalc'ed back up to 2

So ... when the DCO freq is checked in the last line .... it will always
be outside the Min / Max DCO frequency limits ... if you had a Si570
class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
Si570 .. you don't need it)

with n1 being pushed to 2 when ever its below 2 the max freq the Si570
can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.

Or my reasoning is totally messed up ... but this did work for me !!!!!

YMMV !!!!!!

--
Mike KC7NOA

1311. Re: [n2adr-sdr] UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2014-12-17 07:34:54 UTC
From: Mike
Topic: 1310 Message: 1311

recheck ... i misread what math.ceil does ....

a math.ceil check rounds up ..... 1.2 will return a 2 ....

the n1 = ((n1 + 1) / 2) * 2 still seems goofy to me ....

a freq of 970Mhz is with in a valid range with a hsdiv of 5 ....

Anyways .. its late and i should be asleep ....

On 12/16/2014 10:43 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Well ... sorry for the bandwidth ....
>
> Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
> it saposed to be good up to 1.41Ghz output ... mine is LVDS output.
>
> Iv had a bit of a problem for a while of not being able to use anything
> above 1.25M hamband for some reason.
> I knew that usbsoftrock would set higher frequencies .... just not why.
>
> I think i found the answer tonight .... and i hope Jim is ok with me
> posting the change to hardware_usb.py in the softrock folder ....
>
> actually i made 2 changes .. but ill get to the other later for users of
> divide by 2 Rf front ends ...
>
> im not sure what line number right now .... but its about 3/4 the way
> down.
>
> # For now, find the minimum DCO speed that will give us the
> # desired frequency; if we're slewing in the future, we want this
> # to additionally yield an RFREQ ~= 512.
> freq = int(freq * 4)
> dco_new = None
> hsdiv_new = 0
> n1_new = 0
> for hsdiv in SI570_HSDIV_VALUES:
> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
> if n1 < 1:
> n1 = 1
> else: <::::::: Remark
> me with a "#" at the beginning of this line
> n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
> "#" at the beginning of this line
> dco = (freq * 1.0) * hsdiv * n1

>
> I know what the "else:" is doing here in this code area ...
> but not
> n1 = ((n1 + 1) / 2) * 2
>
> If n1 was 1.1 from the previous code --- with wanting a freq of 940Mhz ...
>
> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
> 4.85ghz / ((940Ghz * 4)
> note: 4 is the lowest hsdiv you can have
>
> then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)
>
> n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)
>
> so in equation n1 = ((n1 + 1) / 2) * 2 where
> n1 = ((1+1)/2)*2
> n1 = ((2) /2)*2
> n1 = (1)*2
> n1 = 2 ..... n1 started as 1 and when ever n1
> is below 2 , it will be recalc'ed back up to 2
>
> So ... when the DCO freq is checked in the last line .... it will always
> be outside the Min / Max DCO frequency limits ... if you had a Si570
> class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
> Si570 .. you don't need it)
>
> with n1 being pushed to 2 when ever its below 2 the max freq the Si570
> can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.
>
> Or my reasoning is totally messed up ... but this did work for me !!!!!
>
> YMMV !!!!!!
>
> --
> Mike KC7NOA
>
>

--
Mike KC7NOA

1312. Re: [n2adr-sdr] UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2014-12-17 22:09:37 UTC
From: Mike
Topic: 1310 Message: 1312

I found my other change for the UHFSDR ....

changed

```
freq = int(freq * 4)
dco_new = None
hsdiv_new = 0
n1_new = 0
for hsdiv in SI570_HSDIV_VALUES:
```

to

```
freq = int(freq * 2)
```

On 12/16/2014 10:43 PM, Mike Patriot121@... [n2adr-sdr] wrote:
> Well ... sorry for the bandwidth ....
> Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
> it saposed to be good up to 1.41Ghz output ... mine is LVDS output.
> Iv had a bit of a problem for a while of not being able to use anything
> above 1.25M hamband for some reason.
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> I think i found the answer tonight .... and i hope Jim is ok with me
> posting the change to hardware_usb.py in the softrock folder ....
> actually i made 2 changes .. but ill get to the other later for users of
> divide by 2 Rf front ends ...
> im not sure what line number right now .... but its about 3/4 the way
> down.
> # For now, find the minimum DCO speed that will give us the
> # desired frequency; if we're slewing in the future, we want this
> # to additionally yield an RFREQ ~= 512.
> freq = int(freq * 4)
> dco_new = None
> hsdiv_new = 0
> n1_new = 0
> for hsdiv in SI570_HSDIV_VALUES:
> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
> if n1 < 1:
> n1 = 1
> else: <::::::: Remark

> me with a "#" at the beginning of this line
> n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
> "#" at the beginning of this line
> dco = (freq * 1.0) * hsdiv * n1
>
> I know what the "else:" is doing here in this code area ...
> but not
> n1 = ((n1 + 1) / 2) * 2
>
> If n1 was 1.1 from the previous code --- with wanting a freq of 940Mhz ...
>
> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
> 4.85ghz / ((940Ghz * 4)
> note: 4 is the lowest hsdiv you can have
>
> then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)
>
> n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)
>
> so in equation n1 = ((n1 + 1) / 2) * 2 where
> n1 = ((1+1)/2)*2
> n1 = ((2) /2)*2
> n1 = (1)*2
> n1 = 2 ..... n1 started as 1 and when ever n1
> is below 2 , it will be recalc'ed back up to 2
>
> So ... when the DCO freq is checked in the last line .... it will always
> be outside the Min / Max DCO frequency limits ... if you had a Si570
> class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
> Si570 .. you don't need it)
>
> with n1 being pushed to 2 when ever its below 2 the max freq the Si570
> can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.
>
> Or my reasoning is totally messed up ... but this did work for me !!!!!
>
> YMMV !!!!!!
>
> --
> Mike KC7NOA
>
>

--
Mike KC7NOA

1313. Re: [n2adr-sdr] Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2014-12-24 17:19:47 UTC
From: Sid Boyce
Topic: 1286 Message: 1313

No response in nearly a month.

I tried debian wheezy but could not get the touchscreen axes correct by any of the methods I tried including "SwapAxes" "1" in /etc/X11/xorg.conf.d/99-calibration.conf and adding the same to /usr/share/X11/xorg.conf.d/10-evdev.conf as shown below.

```
Section "InputClass"
Identifier "evdev touchscreen catchall"
MatchIsTouchscreen "on"
MatchDevicePath "/dev/input/event*"
Driver "evdev"
SwapAxes "1"
EndSection
```

I also copied 01-input.conf to /etc/X11/xorg.conf.d/ and also tried with renaming it to 99-calibration.conf.

so I burned a new radsr_1.3.0.img and I am back to the original problem where the device is not shown in /dev/input/by-id and touch does not work.

I tried the alterations I made on debian wheezy and it still doesn't work.

```
# usbdevices
T: Bus=01 Lev=03 Prnt=04 Port=00 Cnt=01 Dev#= 5 Spd=1.5 MxCh= 0
D: Ver= 1.10 Cls=00(>ifc ) Sub=00 Prot=00 MxPS= 8 #Cfgs= 1
P: Vendor=0eef ProdID=0001 Rev=01.00
S: Manufacturer=eGalax Inc.
S: Product=USB TouchController
C: #Ifs= 1 Cfg#= 1 Atr=a0 MxPwr=100mA
I: If#= 0 Alt= 0 #EPs= 1 Cls=ff(vend.) Sub=ff Prot=ff Driver=(none)

root@raspberrypi:/etc/udev/rules.d# ls -l /dev/input/by-id
total 0
lrwxrwxrwx 1 root root 9 Dec 24 13:27
usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-event-kbd ->
../event1
lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-event-mouse
-> ../event2
lrwxrwxrwx 1 root root 9 Dec 24 13:27
usb-USB_USB_Keyboard-if01-event-mouse -> ../event2
lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-if01-mouse ->
../mouse0
lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-mouse ->
../mouse0
```

73 ... Sid.

On 27/11/14 15:51, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Removing the keyboard and accessing the Pi using ssh over a second USB
> Ethernet only the USB sound is seen as an input device after a reboot.
> No mouse has ever been connected.
> I am using a powered USB hub.
>
> slipstream:~ # ssh -X 192.168.10.235
> root@192.168.10.235's password:
> Linux raspberrypi 3.6.11+ #4 PREEMPT Mon May 13 23:28:22 CEST 2013 armv6l
>
> The programs included with the Debian GNU/Linux system are free software;
> the exact distribution terms for each program are described in the
> individual files in /usr/share/doc/*/copyright.
>
> Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
> permitted by applicable law.
> Last login: Thu Nov 27 15:35:25 2014 from 192.168.10.2
> root@raspberrypi:~# l /dev/input/by-id/
> total 0
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
> root@raspberrypi:~# lsusb
> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
> Bus 001 Device 008: ID 0bda:8152 Realtek Semiconductor Corp.
> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
> Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
> TouchScreen
> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
> root@raspberrypi:~# l /dev/input
> total 0
> drwxr-xr-x 2 root root 60 Jan 1 1970 by-id
> drwxr-xr-x 2 root root 60 Jan 1 1970 by-path
> crw-rw---T 1 root input 13, 64 Jan 1 1970 event0
> crw-rw---T 1 root input 13, 63 Jan 1 1970 mice
>
> root@raspberrypi:~# l /dev/input/by-path/
> total 0
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> platform-bcm2708_usb-usb-0:1.3.4.2:1.3-event -> ../event0
>
> root@raspberrypi:~# cat /proc/asound/cards
> 0 [ALSA]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
> bcm2835 ALSA
> 1 [Set]: USB-Audio - USB Headphone Set
> USB Headphone Set at usb-bcm2708_usb-1.3.4.2,

> full speed
> 73 ... Sid.
>
> On 26/11/14 22:04, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
>> "evtest /dev/input/event1" then switching to rasdr screen and touch
>> generates no events.
>>
>> # cat lsusb
>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>> Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>> TouchScreen
>> Bus 001 Device 005: ID 1a2c:0c21
>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>
>> # ls -l /dev/input/by-id
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
>> ../event0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
>> -> ../event1
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
>> ../mouse0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
>> ../mouse0
>> 73 ... Sid.
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1314. Re: [n2adr-sdr] Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2014-12-25 22:35:41 UTC
From: Sid Boyce
Topic: 1286 Message: 1314

I went back to my debian wheezy SD card which shows in /dev/input/by-id
lrwxrwxrwx 1 root root 9 Jan 1 1970
usb-eGalax_Inc._USB_TouchController-event-if00 -> ../event0

Ran "xinput_calibrator" and copied the output to
/etc/X11/xorg.conf.d/99-calibration.conf, suddenly it's working as it
should.
The only difference I could see was in the figures it generated.
73 ... Sid.

On 24/12/14 17:19, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> No response in nearly a month.
>
> I tried debian wheezy but could not get the touchscreen axes correct by
> any of the methods I tried including "SwapAxes" "1" in
> /etc/X11/xorg.conf.d/99-calibration.conf and adding the same to
> /usr/share/X11/xorg.conf.d/10-evdev.conf as shown below.
> Section "InputClass"
> Identifier "evdev touchscreen catchall"
> MatchIsTouchscreen "on"
> MatchDevicePath "/dev/input/event*"
> Driver "evdev"
> SwapAxes "1"
> EndSection
>
> I also copied 01-input.conf to /etc/X11/xorg.conf.d/ and also tried with
> renaming it to 99-calibration.conf.
>
> so I burned a new radsr_1.3.0.img and I am back to the original problem
> where the device is not shown in /dev/input/by-id and touch does not work.
>
> I tried the alterations I made on debian wheezy and it still doesn't work.
>
> # usbdevices
> T: Bus=01 Lev=03 Prnt=04 Port=00 Cnt=01 Dev#= 5 Spd=1.5 MxCh= 0
> D: Ver= 1.10 Cls=00(>ifc) Sub=00 Prot=00 MxPS= 8 #Cfgs= 1
> P: Vendor=0eef ProdID=0001 Rev=01.00
> S: Manufacturer=eGalax Inc.
> S: Product=USB TouchController
> C: #Ifs= 1 Cfg#= 1 Atr=a0 MxPwr=100mA
> I: If#= 0 Alt= 0 #EPs= 1 Cls=ff(vend.) Sub=ff Prot=ff Driver=(none)
>
> root@raspberrypi:/etc/udev/rules.d# ls -l /dev/input/by-id
> total 0

> lrwxrwxrwx 1 root root 9 Dec 24 13:27
> usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
> lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-event-kbd ->
> ../event1
> lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-event-mouse
> -> ../event2
> lrwxrwxrwx 1 root root 9 Dec 24 13:27
> usb-USB_USB_Keyboard-if01-event-mouse -> ../event2
> lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-if01-mouse ->
> ../mouse0
> lrwxrwxrwx 1 root root 9 Dec 24 13:27 usb-USB_USB_Keyboard-mouse ->
> ../mouse0
> 73 ... Sid.
>
> On 27/11/14 15:51, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Removing the keyboard and accessing the Pi using ssh over a second USB
>> Ethernet only the USB sound is seen as an input device after a reboot.
>> No mouse has ever been connected.
>> I am using a powered USB hub.
>>
>> slipstream:~ # ssh -X 192.168.10.235
>> root@192.168.10.235's password:
>> Linux raspberrypi 3.6.11+ #4 PREEMPT Mon May 13 23:28:22 CEST 2013 armv6l
>>
>> The programs included with the Debian GNU/Linux system are free software;
>> the exact distribution terms for each program are described in the
>> individual files in /usr/share/doc/*/copyright.
>>
>> Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
>> permitted by applicable law.
>> Last login: Thu Nov 27 15:35:25 2014 from 192.168.10.2
>> root@raspberrypi:~# l /dev/input/by-id/
>> total 0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
>> root@raspberrypi:~# lsusb
>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>> Bus 001 Device 008: ID 0bda:8152 Realtek Semiconductor Corp.
>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>> TouchScreen
>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> root@raspberrypi:~# l /dev/input
>> total 0
>> drwxr-xr-x 2 root root 60 Jan 1 1970 by-id
>> drwxr-xr-x 2 root root 60 Jan 1 1970 by-path
>> crw-rw---T 1 root input 13, 64 Jan 1 1970 event0

>> crw-rw---T 1 root input 13, 63 Jan 1 1970 mice
>>
>> root@raspberrypi:~# l /dev/input/by-path/
>> total 0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> platform-bcm2708_usb-usb-0:1.3.4.2:1.3-event -> ../event0
>>
>> root@raspberrypi:~# cat /proc/asound/cards
>> 0 [ALSA]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
>> bcm2835 ALSA
>> 1 [Set]: USB-Audio - USB Headphone Set
>> USB Headphone Set at usb-bcm2708_usb-1.3.4.2,
>> full speed
>> 73 ... Sid.
>>
>> On 26/11/14 22:04, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
>>> "evtest /dev/input/event1" then switching to rasdr screen and touch
>>> generates no events.
>>>
>>> # cat lsusb
>>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>>> Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
>>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
>>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>> Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>>> TouchScreen
>>> Bus 001 Device 005: ID 1a2c:0c21
>>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>>
>>> # ls -l /dev/input/by-id
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
>>> ../event0
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
>>> -> ../event1
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>>> usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
>>> ../mouse0
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
>>> ../mouse0
>>> 73 ... Sid.
>>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1315. Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2014-12-31 18:10:05 UTC
From: jahlstr@...
Topic: 1315 Message: 1315

Thanks to Graeme, ZL2APV, quisk now changes both channels of a control when using mixer_settings[]. He reports that setting boolean values does not work, but it works on my machine. More testing is needed.

The new config file dictionary bandTransverterOffset[] gives the offset in Hertz for bands that are used with a transverter; for example 144000000 - 28000000 for a two meter transverter. This currently works for HiQSDR, SoftRock and SdrIQ. I also changed the graph X axis code so gigahertz frequency labels are not too wide.

1316. Re: [n2adr-sdr] Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2014-12-31 18:24:05 UTC
From: Mike
Topic: 1315 Message: 1316

What do you think about repeater offset's for 2M and the like ....
The split can only split in the Rx bandwidth ... i think.

I was thinking that making the FM button have a pop up ... kinda like
the agc has but you enter what offset you would like .. positive or
negative ....

just my wishful thinking ...

On 12/31/2014 10:10 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Thanks to Graeme, ZL2APV, quisk now changes both channels of a control
> when using mixer_settings[]. He reports that setting boolean values
> does not work, but it works on my machine. More testing is needed.
>
>
> The new config file dictionary bandTransverterOffset[] gives the
> offset in Hertz for bands that are used with a transverter; for
> example 144000000 - 28000000 for a two meter transverter. This
> currently works for HiQSDR, SoftRock and SdrIQ. I also changed the
> graph X axis code so gigahertz frequency labels are not too wide.
>
>
>
>
>

--
Mike KC7NOA

1317. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-01-07 17:31:04 UTC
From: gvjury@...
Topic: 1315 Message: 1317

Hi Jim,

Thanks for the work on quisk. I guess you are wondering why I have not reported the results at my QTH but very sorry I am touring in our caravan since 12th Dec. With only a cell phone and won't be home until 20th January. Will test out then, although I guess you will have all the information you need by this time.

Happy New Year, Graeme zl2apv

1318. tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-09 12:07:10 UTC
From: dl3hc@...
Topic: 1318 Message: 1318

Hello Group,

does someone ever had the following error?
The tx_level attribute is set in the config file (.quisk_conf.py) but i still get this error!

File "/usr/lib/python2.7/dist-packages/quisk/hiqsdr/quisk_hardware.py", line 150, in SetTxLevel
reduc = self.application.tx_level
AttributeError: 'App' object has no attribute 'tx_level'

73, Chris
DL3HC

1319. Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-09 13:35:49 UTC
From: dl3hc@...
Topic: 1318 Message: 1319

...I forgot to mention that i am using a new installed Debian System and installed Quisk as a package from the Debian Repository.

Regards
Chris, DL3HC

1320. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-01-09 15:10:57 UTC
From: jahlstr@...
Topic: 1315 Message: 1320

Hi Graeme,

That sounds like a great trip. I will be away on a ski trip when you get back. This winter, I will be away most of the time.

Jim
N2ADR

1321. Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-09 15:22:57 UTC
From: jahlstr@...
Topic: 1318 Message: 1321

Hi,

I presume you are using the HiQSDR hardware file.

I guess this is caused by a missing dictionary tx_level in your config file.You need a dictionary that includes a key for None. See quisk_conf_defaults.py for an example. There is a different level for each band, and the level for None is the default.

```
tx_level = {None:120, '60':110}
```

Jim
N2ADR

1322. Re: [n2adr-sdr] Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-09 15:54:36 UTC
From: Christian Hauswurz
Topic: 1318 Message: 1322

Hi Jim,
yes, the used Hardware is the HiQSDR. The dictionary tx_level is in the config file. The line looks exactly like this: tx_level = {None:120, '60':110} But it always stops at this point with the forementioned error.

In the meantime i removed quisk, downloaded the source from your Homepage and recompiled it for use on my 64bit system. It compiled without errors. But now there is a new problem. If i start quisk from the command line, nothing happens. It just doesn't start.
Is there a possibility to debug?
RegardsChris, DL3HC

Von: "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: n2adr-sdr@yahoogroups.com
Gesendet: 16:22 Freitag, 9.Januar 2015
Betreff: [n2adr-sdr] Re: tx_level attribute error

  Hi,
I presume you are using the HiQSDR hardware file.
I guess this is caused by a missing dictionary tx_level in your config file.You need a dictionary that includes a key for None. See quisk_conf_defaults.py for an example. There is a different level for each band, and the level for None is the default.
tx_level = {None:120, '60':110}
JimN2ADR

1323. Re: [n2adr-sdr] Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-09 16:03:33 UTC
From: Christian Hauswurz
Topic: 1318 Message: 1323

This is the used quisk_conf.py . I use the same config file with my Win7 System and there are no problems.

```
from hiqsdr import quisk_hardware

# ------------------ IMD FDX Button ------------------------------------------------------
# If you want Quisk to add a button to generate a 2-tone IMD test signal,
# set this to 1.  This feature requires the microphone to work.
add_imd_button = 1
# If you want Quisk to add a full duplex button (transmit and receive at the
# same time), set this to 1.
add_fdx_button = 1
# ----------------------------------------------------------------------------------------

# ----------------- Latency, Refresh -----------------------------------------------------

# latency_millisecs determines how many samples are in the soundcard play buffer.
# A larger number makes it less likely that you will run out of samples to play,
# but increases latency.  It is OK to suffer a certain number of play buffer
# underruns in order to get lower latency. (150)
latency_millisecs = 150
# The graph_refresh is the frequency at which the graph is updated,
# and should be about 5 to 10 Hertz.  Higher rates require more processor power.
graph_refresh = 7            # update the graph at this rate in Hertz
# ----------------------------------------------------------------------------------------

# --------------- Screen and Look ------------------------------------------------------
# Select the default screen when Quisk starts:
default_screen = 'WFall'
# Select the way the waterfall screen scrolls:
# waterfall_scroll_mode = 0 or 1    #  scroll at a constant rate.
waterfall_scroll_mode = 1    # scroll faster at the top so that a new signal appears
sooner.
filter_display = 1        # Display filter bandwith graph screen
# Select the initial size in pixels (minimum 1) of the graph at the top of the waterfall.
waterfall_graph_size = 80
waterfall_y_scale = 120
waterfall_y_zero  = 20
waterfall_graph_y_scale = 60
waterfall_graph_y_zero = 80
waterfall_graph_size = 160
# The width of the graph data as a fraction of the total screen size.  This
# will be adjusted by Quisk to accommodate preferred FFT sizes.  It can
# not be changed once Quisk starts.  It can not be made too small because
# of the space needed for all the buttons.
graph_width = 0.80
```

```
# This controls the speed of the graph peak hold.  Lower numbers give a longer time
constant.
graph_peak_hold_1 = 0.25
graph_peak_hold_2 = 0.10
# ------------------------------------------------------------------------------------

# ------------------------------ Hardware HiQSDR Transceiver ----------------------------
#use_rx_udp = 1                     # Use this for the N2ADR 2010 hardware
use_rx_udp = 2                    # Use this for the HiQSDR
rx_udp_ip = "192.168.0.196"        # Sample source IP address
rx_udp_port = 0xBC77            # Sample source UDP port
#rx_udp_clock = 122880000          # ADC sample rate in Hertz Original
#rx_udp_clock = 122880325          # ADC sample rate in Hertz Measured
rx_udp_clock = 122880272          # ADC sample rate in Hertz 10Mhz WWV
rx_udp_decimation = 8 * 8 * 8        # Decimation from clock to UDP sample rate
sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)    # Don't change this
correct_smeter = 15.5             # S-Meter
# ------------------------------------------------------------------------------------

# ---------------------------- Sound and microphone -----------------------------------
name_of_sound_play = "hw:0,0"  #name_of_sound_play hw:0,0
#name_of_sound_capture = ""    #name of sound capture hw:0,0
playback_rate = 48000
microphone_name = "hw:0,0"
tx_ip = rx_udp_ip
tx_audio_port = 0xBC79
mic_out_volume = 0.7     # Microphone output volume (after all processing) as a fraction
0.0 to 0.7
# Microphone audio processing:
# The original audio processing used mic_clip = 4.0; mic_preemphasis = -1.0
# For no mic audio processing, use mic_clip = 1.0; mic_preemphasis = 0.0
mic_clip = 1.0            # Mic amplitude clipping; larger numbers give more clipping
mic_preemphasis = 0.4        # Mic pre-emphasis 0.0 (none) to 1.0; or -1.0 for a
Butterworth filter(0.7=DX)(0.3/=OK)
# ------------------------------------------------------------------------------------

# ------------------ TX ----------------------------------------------------------------
# For the N2ADR 2010 transceiver described in QEX, and for the improved version HiQSDR,
# see the sample config file in the hiqsdr package directory, and set these:
# tx_level sets the transmit level 0 to 255 for each band.  The None band is the default.
# The config screen has a slider 0 to 100% so you can reduce the transmit power.  The
sliders
# only appear if your hardware defines the method SetTxLevel().  The hardware only supports
a
# power adjustment range of 20 dB, so zero is still a small amount of power.
tx_level = {None:120, '30':220}     # Adjust your power for each band
# Digital modes reduce power by the percentage on the config screen.
# The maximum value of the slider is digital_tx_level.
digital_tx_level = 50        # The slider on the config screen is 100% maximum.
# 10W MPPA Amplifier tx_level=120 ; 1W FA Amplifier tx_level=100
```

```
# Select the method to test the state of the key; see is_key_down.c
key_method = ""            # No keying, or internal method
# key_method = "/dev/parport0"    # Use the named parallel port
# key_method = "/dev/ttyS0"    # Use the named serial port
# key_method = "192.168.1.44"    # Use UDP from this address
# If you are using keying, key-down throws away the current capture buffer
# and starts a sidetone with a rise time of 5 milliseconds.  For
# key-up, the sidetone is ended with a fall time of 5 milliseconds, then
# a silent period starts, then normal audio starts with a rise time of
# 5 milliseconds.  The length of the silent period is given by keyupDelay,
# but will be at least the time necessary to collect enough samples to
# refill the filters.  A larger keyupDelay may be needed to accomodate
# antenna switching or other requirement of your hardware.
keyupDelay = 23                    # extra milliseconds silence on key up (23)
# Some hardware must be polled to get the key up/down state.  This is the time
# between polls in milliseconds.  Use zero to turn off the poll.
key_poll_msec = 0

# ------------------------------------------------------------------------------------

# ------------------ Filter settings -----------------------------------------------
# If you use the HiQSDR hardware, set these:
# The HiQSDR_BandDict sets the preselect (4 bits) on the X1 connector.
HiQSDR_BandDict = {'30':8, '20':9}
#HiQSDR_BandDict = {'160':1, '80':2, '40':3, '30':4, '20':5, '15':6, '17':7, '12':8,
'10':9, '6':10, '80X':11, '40X':12 }

# This is the list of band buttons that Quisk displays, and it should have
# a length of 12.  Empty buttons can have a null string "" label.
# Note that the 60 meter band and the Time band have buttons that support
# multiple presses.
bandLabels = ['Audio', '160', '80', '40', '30', '20', '17', '15', '12', '10', '6',
('Time',) * len(bandTime)]
#bandLabels = ['Audio', '160', '80', '40', '30', '20', '17', '15', '12', '10', '6','80X',
'40X', ('Time',) * len(bandTime)]

# ------------------------------------------------------------------------------------

# ---------------- Digital Mode ------------------------------------------------------
# The "DGTL" mode mostly acts like USB, but it sends received audio to an external
# program that can decode digital modes, and receives audio to transmit.
# The only program currently supported is Fldigi.  Set Fldigi to USB, XML-RPC control.
digital_xmlrpc_url = "http://localhost:7362"    # URL for control by XML-RPC
# Input audio from an external program for use with mode DGTL.  The input must be
# stereo at 48000 sps, and you must set mic_sample_rate to 48000 also.
digital_input_name = "hw:Loopback,0"        # device name for transmit audio
# digital_input_name = 'hw:Loopback,0'
# Output audio to an external program for use with mode DGTL.  The output is
# stereo at the same sample rate as the radio sound playback.
digital_output_name = digital_input_name    # device name for received audio
# digital_output_name = digital_input_name
#
```

```
# You can control Quisk from Hamlib.  Set the Hamlib rig to 2 and the device for rig 2 to
# localhost:4575, or other hamlib_port as used by Quisk.
hamlib_port = 4575        # Standard port for Quisk control.  Set the port in Hamlib to
4575 too.
#hamlib_port = 4532        # Default port for rig 2.  Use this if you can not set the
Hamlib port.
#hamlib_port = 0        # Turn off Hamlib control.
# ------------------------------------------------------------------------------------

# ---------------- Mouse  ------------------------------------------------------------
mouse_wheelmod = 50 # Round frequency when using mouse wheel
# ------------------------------------------------------------------------------------
```

Von: "Christian Hauswurz dl3hc@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: "n2adr-sdr@yahoogroups.com" <n2adr-sdr@yahoogroups.com>
Gesendet: 16:54 Freitag, 9.Januar 2015
Betreff: Re: [n2adr-sdr] Re: tx_level attribute error

Hi Jim,
yes, the used Hardware is the HiQSDR. The dictionary tx_level is in the config file. The line looks exactly like this: tx_level = {None:120, '60':110} But it always stops at this point with the forementioned error.

In the meantime i removed quisk, downloaded the source from your Homepage and recompiled it for use on my 64bit system. It compiled without errors. But now there is a new problem. If i start quisk from the command line, nothing happens. It just doesn't start.
Is there a possibility to debug?
RegardsChris, DL3HC

Von: "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: n2adr-sdr@yahoogroups.com
Gesendet: 16:22 Freitag, 9.Januar 2015
Betreff: [n2adr-sdr] Re: tx_level attribute error

Hi,
I presume you are using the HiQSDR hardware file.
I guess this is caused by a missing dictionary tx_level in your config file.You need a dictionary that includes a key for None. See quisk_conf_defaults.py for an example. There is a different level for each band, and the level for None is the default.
tx_level = {None:120, '60':110}
JimN2ADR

1324. Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-10 15:11:07 UTC
From: jahlstr@...
Topic: 1318 Message: 1324

Hello,

Regarding Quisk not starting after you compiled for your 64-bit Linux, it is essential that Quisk is compiled in the same way that Python was compiled. Even on a 64-bit Linux, Python is usually compiled as a 32-bit app. Please try to compile Quisk 32-bit, and try that. Actually, the binaries for Quisk, Python, wx, fftw3 etc. must all be compiled the same way (32 or 64 bit). But when I made the same error, I got the message "bad ELF class", and I am not sure why you don't get that message if this is the problem.

Also, make sure you start Quisk with Python 2.7, not Python 3.

Your tx_level entry in your config file is correct. There may be a phase error in my code, but I don't know why it doesn't happen on my system. Try adding this line to quisk.py:

```
def OnInit(self):
"""Perform most initialization of the app here (called by wxPython on startup)."""
self.tx_level = 100 # Add this line
wx.lib.colourdb.updateColourDB() # Add additional color names
```

The tx_level for the application is different from tx_level in the config file.

Jim
N2ADR

1325. Re: [n2adr-sdr] Re: tx_level attribute error

Yahoo group: n2adr-sdr
Date: 2015-01-10 21:16:00 UTC
From: Sid Boyce
Topic: 1318 Message: 1325

I have no problems on x86_64 - openSUSE, Kubuntu 14.10, Kubuntu 15.04
nor on ODROID-u3 Ubuntu 14.10.

The default on all distros I have seen is python2.7 even with python 3
installed and python2.7 is used by default.
root@odroidu3:/opt/quisk-3.6.20# python --version
Python 2.7.8

I did have one problem on ODROID-U3 with no sound but found pulseaudio
was not running.
73 ... Sid.

On 09/01/15 15:54, Christian Hauswurz dl3hc@... [n2adr-sdr] wrote:
> Hi Jim,
>
> yes, the used Hardware is the HiQSDR. The dictionary tx_level is in
> the config file.
> The line looks exactly like this: tx_level = {None:120, '60':110} But
> it always stops at this point with the forementioned error.
>
> In the meantime i removed quisk, downloaded the source from your
> Homepage and recompiled it for use on my 64bit system. It compiled
> without errors. But now there is a new problem. If i start quisk from
> the command line, nothing happens. It just doesn't start.
>
> Is there a possibility to debug?
>
> Regards
> Chris, DL3HC
>
> ---
> *Von:* "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
> *An:* n2adr-sdr@yahoogroups.com
> *Gesendet:* 16:22 Freitag, 9.Januar 2015
> *Betreff:* [n2adr-sdr] Re: tx_level attribute error
>
> Hi,
>
> I presume you are using the HiQSDR hardware file.
>
> I guess this is caused by a missing dictionary tx_level in your config
> file.You need a dictionary that includes a key for None. See
> quisk_conf_defaults.py for an example. There is a different level for
> each band, and the level for None is the default.
>
> tx_level = {None:120, '60':110}

>
> Jim
> N2ADR
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1326. Re: [n2adr-sdr] Touch not working - Raspberry Pi, Saint Smart 7" touchscreen and dl2stg's image

Yahoo group: n2adr-sdr
Date: 2015-01-17 21:40:50 UTC
From: Sid Boyce
Topic: 1286 Message: 1326

I have had the touch working correctly on the raspbian image.

I had to copy across /etc/inittab from the rasdr_1.3.0.img so it boots
up and runs rasdr.

The AtMega32p is programmed but could do with help to figure out the
connections.

Looking at the code only the rotary encoder connections are obvious.
73 ... Sid.

On 30/11/14 11:21, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Started afresh with 2014-09-09-wheezy-raspbian.img
> Built and installed a new kernel on RasPi with options
> CONFIG_INPUT_TOUCHSCREEN=y
> CONFIG_TOUCHSCREEN_USB_EGALAX=y
>
> Getting some response from touch with rasdr, not everything works yet so
> more things need looking at.
> Ethernets reversed from what they were with rasdr_1.3.0.img, need to create
> /etc/udev/rules.d/70-persistent-net.rules
> root@raspberrypi:~# uname -r
> 3.12.33+
> root@raspberrypi:~# ls -l /dev/input/by-id
> total 0
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-0c76_USB_Headphone_Set-event-if03 -> ../event1
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-eGalax_Inc._USB_TouchController-event-if00 -> ../event4
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-Griffin_Technology__Inc._Griffin_PowerMate-event-if00 -> ../event0
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
> ../event2
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
> -> ../event3
> lrwxrwxrwx 1 root root 9 Jan 1 1970
> usb-USB_USB_Keyboard-if01-event-mouse -> ../event3
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
> ../mouse0
> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
> ../mouse0
> root@raspberrypi:~#
> 73 ... Sid.
>
> On 27/11/14 15:51, Sid Boyce g3vbv@... [n2adr-sdr] wrote:

```
>> Removing the keyboard and accessing the Pi using ssh over a second USB
>> Ethernet only the USB sound is seen as an input device after a reboot.
>> No mouse has ever been connected.
>> I am using a powered USB hub.
>>
>> slipstream:~ # ssh -X 192.168.10.235
>> root@192.168.10.235's password:
>> Linux raspberrypi 3.6.11+ #4 PREEMPT Mon May 13 23:28:22 CEST 2013 armv6l
>>
>> The programs included with the Debian GNU/Linux system are free software;
>> the exact distribution terms for each program are described in the
>> individual files in /usr/share/doc/*/copyright.
>>
>> Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
>> permitted by applicable law.
>> Last login: Thu Nov 27 15:35:25 2014 from 192.168.10.2
>> root@raspberrypi:~# l /dev/input/by-id/
>> total 0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event0
>> root@raspberrypi:~# lsusb
>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>> Bus 001 Device 008: ID 0bda:8152 Realtek Semiconductor Corp.
>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>> TouchScreen
>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>> root@raspberrypi:~# l /dev/input
>> total 0
>> drwxr-xr-x 2 root root 60 Jan 1 1970 by-id
>> drwxr-xr-x 2 root root 60 Jan 1 1970 by-path
>> crw-rw---T 1 root input 13, 64 Jan 1 1970 event0
>> crw-rw---T 1 root input 13, 63 Jan 1 1970 mice
>>
>> root@raspberrypi:~# l /dev/input/by-path/
>> total 0
>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>> platform-bcm2708_usb-usb-0:1.3.4.2:1.3-event -> ../event0
>>
>> root@raspberrypi:~# cat /proc/asound/cards
>> 0 [ALSA ]: BRCM bcm2835 ALSbcm2835 ALSA - bcm2835 ALSA
>> bcm2835 ALSA
>> 1 [Set ]: USB-Audio - USB Headphone Set
>> USB Headphone Set at usb-bcm2708_usb-1.3.4.2,
>> full speed
>> 73 ... Sid.
>>
```

>> On 26/11/14 22:04, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> I can ping HiQSDR 192.168.2.196 but can't wake up rasdr.
>>> "evtest /dev/input/event1" then switching to rasdr screen and touch
>>> generates no events.
>>>
>>> # cat lsusb
>>> Bus 001 Device 002: ID 0424:9514 Standard Microsystems Corp.
>>> Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
>>> Bus 001 Device 007: ID 0c76:1607 JMTek, LLC. audio controller
>>> Bus 001 Device 010: ID 0951:1642 Kingston Technology DT101 G2
>>> Bus 001 Device 003: ID 0424:ec00 Standard Microsystems Corp.
>>> Bus 001 Device 004: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>> Bus 001 Device 009: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax
>>> TouchScreen
>>> Bus 001 Device 005: ID 1a2c:0c21
>>> Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. USB-2.0 4-Port HUB
>>>
>>> # ls -l /dev/input/by-id
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>>> usb-0c76_USB_Headphone_Set-event-if03 -> ../event2
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-kbd ->
>>> ../event0
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-event-mouse
>>> -> ../event1
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970
>>> usb-USB_USB_Keyboard-if01-event-mouse -> ../event1
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-if01-mouse ->
>>> ../mouse0
>>> lrwxrwxrwx 1 root root 9 Jan 1 1970 usb-USB_USB_Keyboard-mouse ->
>>> ../mouse0
>>> 73 ... Sid.
>>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1327. HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-01-19 09:34:09 UTC
From: rolin791@...
Topic: 1327 Message: 1327

HiqSDR was supported by Zeus Radio - now only as reciever.
You can download this SDR program here....
http://zs-1.ru/index.php/downloads/item/zeus-radio-v281

1328. hiqsdr 3rd nyquist

Yahoo group: n2adr-sdr
Date: 2015-01-30 07:56:25 UTC
From: dlrn36@...
Topic: 1328 Message: 1328

Hi all,
I have a HIQSDR which I only use for reception and I live VERY close to a number of AM broadcast transmitters. To deal with those I built a cauer elliptic high pass filter and it's the only filter inline. I don't typically visit the broadcast band, but recently I did and I noticed some signals come and go which I found peculiar for the AM broadcast band.

I was able to catch one of them and found myself listening to aircraft approach radio for the airport. A quick calculation shows that 122.88 + 0.8xx put me in the air band.

I note there isn't an anti aliasing filter before the ADC and I'm wondering .... Given the bandwidth of the ADC is 750MHz and the LTC6405 is 2.7GHz, operating in the 2nd through to the 5th nyquist zones should be possible albeit with worse spurious performance as indicated by the 5500 datasheet and some need to alter the software to know which zone it's in. And the ADT4-6T is only specified to 300MHz but appears to work beyond that.

Of course sensitivity and dynamic range will be reduced due to the sample hold sinc function with about 12dB loss for the 2nd zone, 22dB for the 3rd, and 30db or so for the 4th. Reception up to 70cm should be plausible although along with the loss in sensitivity would be a reduction in dynamic range if an LNA were incorporated to counter the loss.

I'm thinking about making a bandpass filter/amplifier for the 3rd (2m) zone and was curious to know if anyone has already used the sdr in those zones? If you have what was performance like?

And of course if the DAC were replaced with one that can operate in the 3rd zone then TXing at 2m would be possible too. :)

Cheers
Greg

1329. Re: hiqsdr 3rd nyquist

Yahoo group: n2adr-sdr
Date: 2015-01-30 10:43:43 UTC
From: dl7la@...
Topic: 1328 Message: 1329

Hi, Greg,

has been successfully done, for results see my message #110 under conversations.

73
Guenter DL7LA

1330. TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-01-30 10:47:13 UTC
From: dl3hc@...
Topic: 1330 Message: 1330

Hello Group,

i would like to do some audio processing for ssb with a software audio chain. is there a way to disable the audio processing in QUISK. it also seems that QUISK limits the transmitted audio to 2.4 kHz. does this happen in quisk or in the fpga? is it possible to widen that transmit filter bandwidth?

best regards
Chris, DL3HC

1331. Re: [n2adr-sdr] hiqsdr 3rd nyquist

Yahoo group: n2adr-sdr
Date: 2015-01-30 14:02:07 UTC
From: Marciniak, Ed
Topic: 1328 Message: 1331

Analog Devices AN-939 is worth looking at for ideas.

From: dlrn36@yahoo.com.au [n2adr-sdr]
Sent: Friday, January 30, 2015 1:56 AM
To: n2adr-sdr@yahoogroups.com
Reply To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] hiqsdr 3rd nyquist

Hi all,

I have a HIQSDR which I only use for reception and I live VERY close to a number of AM broadcast transmitters. To deal with those I built a cauer elliptic high pass filter and it's the only filter inline. I don't typically visit the broadcast band, but recently I did and I noticed some signals come and go which I found peculiar for the AM broadcast band.

I was able to catch one of them and found myself listening to aircraft approach radio for the airport. A quick calculation shows that 122.88 + 0.8xx put me in the air band.

I note there isn't an anti aliasing filter before the ADC and I'm wondering .... Given the bandwidth of the ADC is 750MHz and the LTC6405 is 2.7GHz, operating in the 2nd through to the 5th nyquist zones should be possible albeit with worse spurious performance as indicated by the 5500 d atasheet and some need to alter the software to know which zone it's in. And the ADT4-6T is only specified to 300MHz but appears to work beyond that.

Of course sensitivity and dynamic range will be reduced due to the sample hold sinc function with about 12dB loss for the 2nd zone, 22dB for the 3rd, and 30db or so for the 4th. Reception up to 70cm should be plausible although along with the loss in sensitivity would be a reduction in dynamic range if an LNA were incorporated to counter the loss.

I'm thinking about making a bandpass filter/amplifier for the 3rd (2m) zone and was curious to know if anyone has already used the sdr in those zones? If you have what was performance like?

And of course if the DAC were replaced with one that can operate in the 3rd zone then TXing at 2m would be possible too. :)

Cheers

Greg

1332. Re: TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-01-30 15:16:34 UTC
From: dh5ym@...
Topic: 1330 Message: 1332

Hi Christian,

the 2.4kHz audio is a limitation of Quisk as far as i remember. I once used HiQSDR for some DRM radio transmission with 10kHz bandwith together with the Gnuradio stuff from Stefan, DL2STG:
HiQSDR DL2STG http://dl2stg.de/stefan/hiqsdr/gnuradio.html

http://dl2stg.de/stefan/hiqsdr/gnuradio.html

HiQSDR DL2STG http://dl2stg.de/stefan/hiqsdr/gnuradio.html gr-hiqsdr gr-hiqsdr is a extension to make HiQSDR usable with GNU Radio. After installing you will find two new modules: HiQSDR sink and HiQSDR source.

View on dl2stg.de http://dl2stg.de/stefan/hiqsdr/gnuradio.html
Preview by Yahoo

His FPGA image also supports higher TX rates.

regards
Mario, DH5YM

1333. 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-02 09:34:18 UTC
From: dh5ym@...
Topic: 1333 Message: 1333

Hi Jim,

hope you read here. Currently i try to make my HiQSDR setup ready for SSB contest usage. I faced some trouble to get voice keyer working with Quisk.
Do you think its possible to have a second audio input to Quisk used for Voice keyer operation ? This would make life much more easy if the audio from a voice keyer can be fed to Quisk via a separate input. It would even make usage of a loopback device possible.
Using the VOX function only for the voice keyer input only could even save the PTT cable.

regards
Mario

1334. normalization of SSB audio source ?

Yahoo group: n2adr-sdr
Date: 2015-03-05 21:20:48 UTC
From: dh5ym@...
Topic: 1334 Message: 1334

Hi,

i tried to get my SSB audio working clean but was not successfull so far.
It seems that in the sequences were i do not speak into the microphone the noise level is amplified just like with an AGC. When i speak the noise gets lower. I observed my own signal in FDX mode.
Does anyone else see the same or am i doing something wrong ?
If its really a kind of normalization in Quisk, can that be switched off ?

regards
Mario

1335. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2015-03-06 14:02:53 UTC
From: Sid Boyce
Topic: 1230 Message: 1335

Hi guys,
Diagrams still not seen.

Today I was comparing Stefan's cabling with mine on my QRZ.com page and see some differences, i.e, X3 is cabled on Stefan's.

I don't have the Arduino connected so X2 is currently unused.

Touch is working.

The one problem which may be rasdr/cabling related, I get no RF out from the 10W PA but TX appears to be functioning in CW and SSB.

I'll do some more checks by connecting to the 192.168.2.x LAN and checking TX still gives output.
73 ... Sid.

On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>
> Hi Sid, Hi Group,
>
>
> Stefan (DL2STG) has released his new Firmware (running with Quisk and
> RASDR) and
>
> his new Version of RASDR.
>
> Stefan is very busy so i try to explain some details here for a better
> understanding.
>
>
> This Versions supports external user GPIO via SPI. SPI Interface is
> included
>
> on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso)
> pin 52 (spi_clk)
>
> This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
>
> Attention! Be carefull because all signals are 3.3V LVCMOS and
> directly connected to the FPGA!
>
> spi communication is done via 32 bit Frames (4Bytes)
>
> containing address, controls and 16 Bits of data. The spi clock rate
> is 250kbit/sec

>
> but usable up to 2 MBit/sec. Data changes are transferred
>
> via small UDP packets all 10mS not to overload the RasPi
>
> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.
>
>
> This released version is not the end of the game. just the first "light".
>
>
> Currently it basically supports 3 Encoders (on high Resolution
> Encoder for frequency adjustments
>
> and two low-resolution encoders (16 Steps/rev) for menue selections and
>
> currently one analog value connected to a potentiometer to adjust AF.
>
> Stefan had implemented this for his own HiQSDR transceiver on a Arduino,
>
> (See his beautiful TRX on his WebSite!) but this interface is running
> also on the
>
> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
>
> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
> switches/buttons
>
> and 8 digital outputs. This HiQGPIO fits directly behind the front
>
> of the HiQTRX-10 frontpanel and includes a small graphic LCD
>
> for some informational readouts and the VFO Encoder with knob
>
> (high resolution magnetic type, 128 Steps/rev)
>
> The HiQGPIO contains also the interface to the HiPPA to get working
> parameters
>
> from it via buffered I2C and a Serial Interface (RS-232)
>
>
> RASDR is a very versatile GUI for HiQSDR and is also capable to run
> stand alone
>
> on a raspberry pi with Linux supporting >= 7" grafical LCD connected
> to the HDMI
>
> and allows stand alone operation without PC, only a cheap USB
> soundstick must be

>
> connected to the RasPi.
>
> RASDR do his job very sucessfully on a RasPi, all Filters loaded
> dynamically
>
> in this mode, so the Raspi has no Problem to deal with Waterfall
> display, Sound & so on.
>
> RASDR also has selectable FFT sizes and 2 AutoNotches as well as
> frequency Memorys.
>
> All RX and TX Modes are supported, 2.Tone test signals are generated
> a.s.o.
>
> The new Firmware & RASDR is written from Stefan, DL2STG (he has really
> done a very fine Job!!)
>
> supports dynamically loadable filter coefficents to support RASDR on
> RASPI
>
> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>
> He also had written a Interface to the HPSDR Protocol who allows the
>
> HiQSDR to operate with PowerSDR too.
>
>
> I am using a RasPi with a 7" LCD now for some month and this
> combination works perfectly.
>
> I built this in a small desktop case and connect this "stand alone
> termínal" only via Ethernet
>
> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station in
> a different
>
> room (sometimes via WLAN) to do QSOs.
>
>
> Schematics to connect the RASPI, LCD and further informations as well as
>
> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
>
> shortly here in this Group.
>
>
> Sorry to be quiet for a prolonged time, but we had a lot of work to
> make new
>

> Modules and Software for HiQSDR available!
>
>
> Helmut, DB1CC
>
>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1336. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-08 15:20:13 UTC
From: rn3kk@...
Topic: 1315 Message: 1336

Hi guys!
Im use HIQSDR (mini v2)
Say please, how to set LO frequency and how to use this with 28 to 144 MHz transverter? How quisk software defined use transverter?
I see in conf file
freq_spacing = 116000000
freq_base = 0
But, I don't see 2m freq on display.

1337. Status on HIQSDR

Yahoo group: n2adr-sdr
Date: 2015-03-09 14:40:52 UTC
From: runeegil@...
Topic: 1337 Message: 1337

Hi All

What is the current status on the DDC/DUC HIQSDR Radio?. Seems that there is not so much happening on the yahoo group or any updates on the web pages. I guess the HIQ developers are busy and making modules etc. My HIQSDR project has been idle for some time now and I was thinking about the HiQTRX-10.
However the 100 watt PA with new enclosure and front panel is still on my wish list :-)
Any updates please.

73 Rune LA7THA

1338. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-09 21:36:57 UTC
From: dh5ym@...
Topic: 1315 Message: 1338

Hi,

you need to add your transverter band to every band specific entry in the quisk_conf.
I have an example for 23cm:

```
#exciter output scaling
tx_level = {None:255,'160':170, '80':120, '40':105, '30':110, '20':70, '17':110, '15':110,
'12':110, '10':140, '6':250, '60':90, 'TRV':230}

#definition which path of the preselector unit should be taken (0=bypass)
HiQSDR_BandDict = {'160':1, '80':2, '40':3, '30':4, '20':5, '17':6, '15':7, '12':8,
'10':9, '6':10, 'TRV':0 }

#definition for the band edges
BandEdge = {
'160':( 1800000, 2000000),
'80' :( 3500000, 3800000),
'40' :( 7000000, 7200000),
'30' :(10100000, 10150000),
'20' :(14000000, 14350000),
'17' :(18068000, 18168000),
'15' :(21000000, 21450000),
'12' :(24890000, 24990000),
'10' :(28000000, 29700000),
'6' :(50000000, 54000000),
'TRV':(1296000000, 1300000000),
}

#default setting for each band when switching between the bands
bandState = {'Audio':(0, 0, 'LSB'),
'160':( 1890000, -10000, 'LSB'),
'80' :( 3660000, -10000, 'LSB'),
'40' :( 7100000, -0, 'LSB'),
'30':(10120000, -10000, 'CWL'),
'20' :(14200000, -10000, 'USB'),
'17' :(18120000, 10000, 'USB'),
'15':(21250000, -10000, 'USB'),
'12' :(24940000, 10000, 'USB'),
'10' :(28400000, -10000, 'USB'),
'Time':( 5000000, 0, 'AM'),
'6' :(50040000, 10000, 'USB'),
'TRV' :(1296190000, 10000, 'USB'),
}

#label for the band selection button in the GUI
bandLabels = ['Audio', '160', '80', '40', '30', '20', '17', '15', '12', '10', '6', 'TRV',
```

```
('Time',) * len(bandTime)]

#define the transverter offset
bandTransverterOffset = {
'TRV': 1296000000 - 29000000
}

i copied only the entries that are relevant...

Hope this helps.

regards
Mario
```

1339. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-12 19:47:52 UTC
From: rn3kk@...
Topic: 1315 Message: 1339

Best! This work! Nick RN3KK

1340. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-14 13:48:49 UTC
From: rn3kk@...
Topic: 1315 Message: 1340

What is functional "FDX" button? I don't see changing when clicked to her. Nick RN3KK

1341. Re: [n2adr-sdr] Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-14 16:13:08 UTC
From: Sid Boyce
Topic: 1315 Message: 1341

Full Duplex - I have my HiQSDR Preselector strapped for Simplex, using
one antenna.
I FDX separate RX and TX antennas are used to allow simultaneous RX and TX.
73 ... Sid.

On 14/03/15 13:48, rn3kk@... [n2adr-sdr] wrote:
>
> What is functional "FDX" button? I don't see changing when clicked to her.
>
> Nick RN3KK
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1342. Re: Quisk 3.6.20

Yahoo group: n2adr-sdr
Date: 2015-03-14 20:02:49 UTC
From: rn3kk@...
Topic: 1315 Message: 1342

TNX, Sid! This is true.

1343. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-14 20:59:15 UTC
From: jahlstr@...
Topic: 1333 Message: 1343

Hello Mario,

I just got back from a long ski vacation, thus the late reply.

By "voice keyer" do you mean a source of recorded messages, such as "CQ CQ"? So it would be necessary to mix the recordings with the actual mic?

Jim
N2ADR

1344. Re: normalization of SSB audio source ?

Yahoo group: n2adr-sdr
Date: 2015-03-14 21:23:02 UTC
From: jahlstr@...
Topic: 1334 Message: 1344

Hello Mario,

Yes, Quisk has an AGC feature for the mic input which tries to maintain a constant input audio level. So if you don't talk, the gain increases. This only happens when PTT is down. One solution to to raise PTT when not talking.

The amount of gain increase is set to 20 dB by the mic_min_level parameter in microphone.c. This parameter is not adjustable.

If this is a problem for you, I could make mic_min_level a parameter in the config file. Then you could limit the amount of gain increase. But some amount of mic AGC seems essential so that loud sounds (wow! a VK9X!) don't clip and soft sounds don't reduce the Tx power.

Jim
N2ADR

1345. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-15 20:37:45 UTC
From: dh5ym@...
Topic: 1333 Message: 1345

Hi Jim,

yes, a CQ loop is what i mean.
It would be ok, if only one source is played. Actually it would be better just to play one since the microphone should not be played during CQ. My idea was that the CQ source is usually without background noise in the gaps between the CQ (since its played from a file) and therefore a VOX can be easily used. If this source is active the normal microphone can be switched off. Then its even possible to do CQ loops without extra PTT cables.

regards
Mario

1346. Re: normalization of SSB audio source ?

Yahoo group: n2adr-sdr
Date: 2015-03-15 20:46:08 UTC
From: dh5ym@...
Topic: 1334 Message: 1346

Hi Jim,

for the moment i used this as it is and it seems there was no problem on the band. However i think it would be good to have this parameter adjustable since the spectrum seems to get somehow wide by the noise raising up in the speech gaps.

regards
Mario

1347. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-15 20:56:26 UTC
From: Christian Hauswurz
Topic: 1330 Message: 1347

Hi Jim,
i would like to ask again if it is possible to modify the transmit filter bandwidth in QUISK? I think you were on vacation when i asked this last time and maybe you didn`t read the message at all.
73, ChrisDL3HC

Von: "dl3hc@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: n2adr-sdr@yahoogroups.com
Gesendet: 11:47 Freitag, 30.Januar 2015
Betreff: [n2adr-sdr] TX Filter Bandwidth

  Hello Group,

i would like to do some audio processing for ssb with a software audio chain. is there a way to disable the audio processing in QUISK. it also seems that QUISK limits the transmitted audio to 2.4 kHz. does this happen in quisk or in the fpga? is it possible to widen that transmit filter bandwidth?

best regards
Chris, DL3HC

1348. some points for Quisk

Yahoo group: n2adr-sdr
Date: 2015-03-15 21:49:22 UTC
From: dh5ym@...
Topic: 1348 Message: 1348

some further points that i noticed during microwave contest operation last weekend:

- the CW tone during TX should be easily adjustable. For my opinion it was too loud and i wanted to reduce it but did not manage to do so. It would be nice to have a slider somewhere in the settings menu.
- the split option is a pretty cool feature. I used to search for unworked stations in the reception phases of my CQ loop while still listen to my calling frequency. The handling of this feature could be improved by two things:
1) a checkbox that locks the TX frequency so that clicking to the frequency scale always changes the frequency of the 2nd RX and never the 1st-RX / TX frequency.
2) a button or key combination that swaps the 1st/TX and the 2nd frequencies so that you can easily work a station on the 2nd frequency and then switch back to the CQ frequency

I made a small adaption to Quisk in order to make the CW-keyoff-delay in the FPGA version of DL2STG usable. Its just a very minor change but i guess it could cause problems with the images from Jim since a byte that is intended to be set to 0 is not 0 anymore. I think it should be possible to make these settings usable in the DL2STG design conditional.

regards
Mario

1349. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-17 13:19:45 UTC
From: jahlstr@...
Topic: 1330 Message: 1349

Hello Chris,

Quisk audio processing is not in the FPGA, it is in the PC in the file microphone.c. There are two modules. One is used for the microphone, and uses AGC, clipping and filtering to process the audio. The other is used for playing recordings and digital modes, and uses minimal processing. The bandwidth of each is fixed.

I can add a new feature to do what you want, but what is it you are trying to do? Do you have IQ samples?

Jim
N2ADR

1350. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-17 13:33:14 UTC
From: jahlstr@...
Topic: 1333 Message: 1350

Hello Mario,

One way to do this is to mix the microphone with the recorded file before Quisk, and apply the sum to the Quisk microphone input. If your sound recording is analog, that only requires an analog mixer. If it is digital, then it may be possible to use the digital mixer in your sound card, or a sound server like PulseAudio.

An alternative would be to play the sound file from Quisk. That would require more control buttons. But I already have a request to play files from Quisk, so maybe that would work if you can create a 48 ksps WAV file to be played from Quisk.

Please describe in more detail what you are trying to do.

Jim
N2ADR

1351. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-18 06:35:30 UTC
From: Christian Hauswurz
Topic: 1330 Message: 1351

Hello Jim,
thanks for your reply. I want to experiment with audio processing to enhance the ssb audio with a software audio chain via VST plugins. The problem with that is that all you do before in the audio chain is useless when it runs through quisk because it seems the bandwidth will always be reduced to 2.4 kHz. I tried to find where that happens in the source code but could not find it although i expected it to be in the microphone.c file. Also the AGC is a problem sometimes like Mario has already noted.

Best regardsChris

Von: "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: n2adr-sdr@yahoogroups.com
Gesendet: 14:19 Dienstag, 17.März 2015
Betreff: Re: [n2adr-sdr] TX Filter Bandwidth

  Hello Chris,
Quisk audio processing is not in the FPGA, it is in the PC in the file microphone.c. There are two modules. One is used for the microphone, and uses AGC, clipping and filtering to process the audio. The other is used for playing recordings and digital modes, and uses minimal processing. The bandwidth of each is fixed.
I can add a new feature to do what you want, but what is it you are trying to do? Do you have IQ samples?
JimN2ADR

1352. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-18 08:43:07 UTC
From: dh5ym@...
Topic: 1333 Message: 1352
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,

what i want to do is the following:
Some logging software has capabilities to play CQ loops in CW and SSB. For CW the keying is generated via a RS232 and for SSB the audio is played from file and PTT is generated via a RS232.
That one i would like to connect to Quisk. So far i did that by a small switchbox that can route audio signal from microphone or from the log PC to the PC that runs quisk. However that does not work with every soundcard since some automatically switch to the internal microphone if it detects that the external one has been switched away. Furthermore i would like to avoid the cabling for PTT and audio.
What i had in mind was to route the CQ audio from the log PC to Quisk via network (or via loopback if Quisk and the log run on the same PC) and to use VOX for the CQ audio to avoid the PTT line.
Then the microphone could connect to the one audio input and the CQ audio connect to another audio input. If there is audio with sufficient level present at the CQ input it should switch to this input and automatically switch to TX. If the PTT is pressed manually the microphone input should be selected.
Mixing the audio was not my favourite way since then you still need the PTT cable (since you do not want to work on VOX during a contest) and you always have the microphone switched on which is very annoying at a multi op station.
About playing a WAV for CQ loops:
Thats also a possibility but its the less comfortable one. You could make a functionality were a WAV is played cyclic with configurable gaps in between (for listening). That could be started by a button or a hotkey (as the configurable hotkey for PTT). If the PTT is keyed the CQ loop should always be stopped immediately.
The disadvantage is that you cannot start the CQ loop out of the log software but you have to touch the Quisk PC. But this solution would be ok as well.

I attached a picture how my cable connections were setup last time. The green lines are audio connections. That gives an impression how it currently looks like ;)

regards
Mario

1353. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-18 15:17:02 UTC
From: jahlstr@...
Topic: 1333 Message: 1353

Hello Mario,

First, I need to know that pushing the PTT button in Quisk will set your station to Tx. In my shack, that does not work. I must use a toggle switch to change to Tx. If pushing the PTT button does not change everything to Tx, you will still need the PTT cable.

I do not like adding another sound card for the CQ audio from the logging program. Quisk already has seven sound interfaces, and managing all these and polling each for I/O is already a problem. If you add a mic preamp to your shack, you can mix the mic and CQ audio to a single line-in to a soundcard with no problems. You will still need the PTT cable.

Adding a feature to Quisk to play WAV files is a better solution. Quisk can push PTT and play a WAV file on a timer.

Thank you for pointing out that you do not want to use VOX during a contest. I did not know that.

Also, I always thought that Quisk would make a great contest station. A new signal is smeared out at the top of the waterfall, and you can then pounce on it.

Jim
N2ADR

1354. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-18 15:23:56 UTC
From: jahlstr@...
Topic: 1330 Message: 1354

Hello Chris,

If you want to completely control the Tx audio, you must provide I/Q audio at baseband. This is not a simple thing. A simpler option is to provide monophonic audio, and let Quisk do some processing, perhaps at a wider bandwidth.

Will you provide I/Q audio or monophonic audio?

Jim
N2ADR

1355. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-19 10:28:41 UTC
From: Christian Hauswurz
Topic: 1330 Message: 1355

Hi Jim, basically the provided audio will be monophonic. The Setup looks like this: Microphone -> Soundcard IN -> Audio processing via VST Plugins (Noise Gate, EQ, Compressor etc.) -> Virtual Audio Cable -> QUISK. The problem then is the limited bandwidth and maybe the further processing that Quisk does. I don't know if changing the bandwidth alone would solve the problem? What i observed is that for example EQing the audio will not be audible neither on HF nor whithin the playback function in Quisk. 73 de ChrisDL3HC
Von: "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
An: n2adr-sdr@yahoogroups.com
Gesendet: 16:23 Mittwoch, 18.März 2015
Betreff: Re: [n2adr-sdr] TX Filter Bandwidth

Hello Chris,
If you want to completely control the Tx audio, you must provide I/Q audio at baseband. This is not a simple thing. A simpler option is to provide monophonic audio, and let Quisk do some processing, perhaps at a wider bandwidth.
Will you provide I/Q audio or monophonic audio?
Jim
N2ADR

1356. Re: [n2adr-sdr] TX Filter Bandwidth

Yahoo group: n2adr-sdr
Date: 2015-03-20 17:20:52 UTC
From: jahlstr@...
Topic: 1330 Message: 1356

Hello Chris,

I studied the code some more, and I have a solution. Use the digital input instead of the mic input for your audio. That is, send your audio to digital_input_name, and select a digital mode for transmit. You will also want to set digital_tx_level to 100.

The digital inputs bypass the mic processing. The filter passband is 300 to 5000 Hertz, and the DGT-IQ method does not even have a filter. You will have to provide all your own audio processing, including setting the volume level.

If this doesn't do what you want, please let me know, and I will try to get something else done before the next release.

Jim
N2ADR

1357. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-20 21:00:19 UTC
From: dh5ym@...
Topic: 1333 Message: 1357

Hi Jim,

in my station all equipment connected to the HiQSDR will be set to TX by the PTT output of the preselector PCB. So pushing the PTT button in the GUI can set the complete equipment to TX.

I understand your point about adding another audio interface.
Would it be also a problem to re-use a interface that is already existing ? The Digital modes audio interface would be a good candidate since its anyway unused during SSB operation. Switching to DGTL mode and to TX if there is a checkbox set and some audio present on this interface. Maybe that is also useful for digital mode operation.

However, the WAV playback feature is also a good solution and together with automatic looping, interruption by PTT and maybe a separate hotkey function for starting the CQ loop would be a great feature.

Another, completely different question: In the code i saw some words about dx-cluster support. Is this stuff already working ? What does it do ? What came to my mind was that this might be used to set the mid frequency of a CWSkimmer connected to the baseband sample interface via the skimmer/qsy command. First i thought this could be done by a simple skript that reads the frequency via hamlib but there is no chance to get the mid frequency of the spectrum, just the working frequency.

regards
Mario

1358. Re: some points for Quisk

Yahoo group: n2adr-sdr
Date: 2015-03-21 16:07:05 UTC
From: jahlstr@...
Topic: 1348 Message: 1358

Hello Mario,

Regarding the sidetone volume, if your hardware file sets use_sidetone to true, there should be a slider labeled "STo" on the left side of Quisk to adjust the sidetone volume. Is this slider missing, or does it not work? Or maybe "STo" is not a clear label.

Jim
N2ADR

1359. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-23 19:28:25 UTC
From: jahlstr@...
Topic: 1333 Message: 1359

Hello Mario,

The dx-cluster support was added by DJ4CM. It receives information from the Internet, and displays the dx stations below the X axis. I have never used it. It doesn't seem useful for cw skimmer.

Jim
N2ADR

1360. Re: 2nd Mic Input for Quisk ?

Yahoo group: n2adr-sdr
Date: 2015-03-24 09:33:14 UTC
From: dh5ym@...
Topic: 1333 Message: 1360

Oh, i think its usefull for presenting skimmer spots of a local CW skimmer. You can connect the CW Skimmer via the baseband IQ interface of Quisk and get the spots via a telnet interface that has a dx-cluster behavior. Then you directly get the calls written to the lines you see in your waterfall. With the bandmap of your log software you can then jump from one to another ;)

1361. Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-24 16:05:04 UTC
From: jahlstr@...
Topic: 1361 Message: 1361

Quisk can now transmit a message from a WAV file. Record your message at a high level (near clipping) at 48 ksps, 16-bit, one channel (monophonic). Then enter the file name on the Config/Config screen. Press the "File play" button to transmit. Quisk will press the PTT button for you, and release it during pauses. To interrupt playback, press PTT or release FilePlay so you can answer.

The "Split" button has been replaced with a "Splt" button and a "Rev" button. The "Splt" button splits Rx and Tx; and if you click it with the right mouse button instead of the left, it also locks the Tx frequency so tuning changes the Rx frequency. The "Rev" button reverses the Tx and Rx frequencies. These features were suggested by Mario, DH5YM.

I added a new parameter mic_agc_level to the config file to control the mic AGC. Input levels below mic_agc_level are ignored. The default is 0.1. Increase this (up to 1.0) to reduce the AGC range, and reduce it to increase the AGC mic gain boost.

Philip Lee contributed a patch to the PulseAudio code to set the play buffer size.

Jim

N2ADR

1362. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-24 16:47:51 UTC
From: Mike
Topic: 1361 Message: 1362

Cool .....

can a Tx shift value be larger than the display bandwidth ?

On 03/24/2015 09:05 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Quisk can now transmit a message from a WAV file. Record your message
> at a high level (near clipping) at 48 ksps, 16-bit, one channel
> (monophonic). Then enter the file name on the Config/Config screen.
> Press the "File play" button to transmit. Quisk will press the PTT
> button for you, and release it during pauses. To interrupt playback,
> press PTT or release FilePlay so you can answer.
>
>
> The "Split" button has been replaced with a "Splt" button and a "Rev"
> button. The "Splt" button splits Rx and Tx; and if you click it with
> the right mouse button instead of the left, it also locks the Tx
> frequency so tuning changes the Rx frequency. The "Rev" button
> reverses the Tx and Rx frequencies. These features were suggested by
> Mario, DH5YM.
>
>
> I added a new parameter mic_agc_level to the config file to control
> the mic AGC. Input levels below mic_agc_level are ignored. The
> default is 0.1. Increase this (up to 1.0) to reduce the AGC range,
> and reduce it to increase the AGC mic gain boost.
>
>
> Philip Lee contributed a patch to the PulseAudio code to set the play
> buffer size.
>
>
> Jim
>
> N2ADR
>
>
>

--
Mike KC7NOA

1363. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-24 18:37:51 UTC
From: jahlstr@...
Topic: 1361 Message: 1363

No. The Tx and Rx frequencies must be within the display bandwidth.

Jim
N2ADR

1364. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-25 12:57:15 UTC
From: dh5ym@...
Topic: 1361 Message: 1364

The split/revert feature is a really cool thing. Just the rightclick for setting the RX frequency did not work on the Win7 machine i have here. I will try with Linux this evening. For the playback file and return rate, is there any parameter for preconfiguring that in the config file (default) ?

1365. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-25 20:46:54 UTC
From: dh5ym@...
Topic: 1361 Message: 1365

Hi Jim,

i tried on my Xubuntu system at home.
The split/rev feature is really nice. Thats very useful for contest operation and searching for unworked stations between the CQ calls. Tuning the 2nd RX works not as i would have expected from your description. If i rightclick to the spectrum the TX frequency is set to the frequency i rightclicked. The mid frequency of the available spectrum is also set to this frequency (means LO = TX frequency) and the offset of the 2nd RX to the TX is maintained.

regards
Mario

1366. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-26 15:28:50 UTC
From: jahlstr@...
Topic: 1361 Message: 1366

Yes, you can set the default file names in the config file. This is from quisk_conf_defaults.py:

```
# Quisk can save radio sound and samples to files, and can play recorded sound. There is a button on the
# Config/Config screen to set the file names. You can set the initial names with these variables:
file_name_audio = ""
#file_name_audio = "/home/jim/tmp/qaudio.wav"
file_name_samples = ""
#file_name_samples = "C:/tmp/qsamples.wav"
# The file for playback must be 48 ksps, 16-bit, one channel (monophonic); the same as the mic input. When
# you play a file, the PTT button (if any) is pushed. There is a control to repeat the playback. This
# feature is intended to transmit a "CQ CQ" message, for example, during a contest.
file_name_playback = ""
#file_name_playback = "/home/jim/sounds/cqcq_contest.wav"
```

Jim
N2ADR

1367. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-26 15:35:50 UTC
From: jahlstr@...
Topic: 1361 Message: 1367

The right-click feature is not on the screen display. You must right-click the "Splt" button to lock the transmit frequency. The label will change to "LkSp" to remind you that split is locked.

Jim
N2ADR

1368. Re: [n2adr-sdr] Quisk 3.6.21

Yahoo group: n2adr-sdr
Date: 2015-03-26 17:52:59 UTC
From: dh5ym@...
Topic: 1361 Message: 1368

Hi Jim,

thanks for the explanation. I misunderstood that. Your implementation absolutely makes sense.

regards
Mario

1369. Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-27 16:34:40 UTC
From: jahlstr@...
Topic: 1369 Message: 1369

FreeDV is the combination of the codec2 codec and the fdmdv modem. It provides digital voice in 1200 Hz bandwidth suitable for HF transmission. You can use FreeDV by downloading the FreeDv program from freedv.org, and connecting it to Quisk using the usual digital mode DGT-U. But now there is a simpler way. Quisk has a new mode button FDV. Just push the FDV mode and talk. See http://www.rowetel.com/blog/?page_id=452.

Quisk will add the FDV mode button unless your config file contains the line
add_freedv_button = 0
If there is a problem with the freedv module, the button will be grayed out. See README.txt in the freedvpkg subdirectory for more information. The "Split" button currently fails with FDV.

With the mouse in the frequency display, roll the mouse wheel to change the digit.

The new config option hamlib_ip specifies the Hamlib IP address; default "localhost".

The IMD button now has a right-click level control like the Spot button. This is more convenient than having a few fixed levels.

The Spot button can now transmit a carrier at zero amplitude. This is useful for testing the output noise. If you wrote your own OnSpot() method, level -1 is now Spot button off, and the level is now 0 to 1000.

1370. Re: [n2adr-sdr] Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-27 18:44:24 UTC
From: Mike
Topic: 1369 Message: 1370

now thats cool ...

On 04/27/2015 09:34 AM, jahlstr@... [n2adr-sdr] wrote:
>
> FreeDV is the combination of the codec2 codec and the fdmdv modem. It
> provides digital voice in 1200 Hz bandwidth suitable for HF
> transmission. You can use FreeDV by downloading the FreeDv program
> from freedv.org, and connecting it to Quisk using the usual digital
> mode DGT-U. But now there is a simpler way. Quisk has a new mode
> button FDV. Just push the FDV mode and talk. See
> http://www.rowetel.com/blog/?page_id=452.
>
>
> Quisk will add the FDV mode button unless your config file contains
> the line
>
> add_freedv_button = 0
>
> If there is a problem with the freedv module, the button will be
> grayed out. See README.txt in the freedvpkg subdirectory for more
> information. The "Split" button currently fails with FDV.
>
>
> With the mouse in the frequency display, roll the mouse wheel to
> change the digit.
>
>
> The new config option hamlib_ip specifies the Hamlib IP address;
> default "localhost".
>
>
> The IMD button now has a right-click level control like the Spot
> button. This is more convenient than having a few fixed levels.
>
>
> The Spot button can now transmit a carrier at zero amplitude. This is
> useful for testing the output noise. If you wrote your own OnSpot()
> method, level -1 is now Spot button off, and the level is now 0 to 1000.
>
>
>

--
Mike KC7NOA

1371. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-29 07:54:41 UTC
From: dh5ym@...
Topic: 1369 Message: 1371

Hi Jim,

can you write some more details what needs to be done to get it operational, please ?
I tried under Win7 and Linux and the FDV button is always grayed out. Do i need to copy stuff from FreeDV to the Quisk directory ? I cannot find the freedvpkg directory, therefore i guess i miss something.

regards
Mario

1372. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-29 17:03:16 UTC
From: jahlstr@...
Topic: 1369 Message: 1372

Hello,

It looks like the freedvpkg directory did not get into the distribution. Please wait while I study what went wrong.

Jim
N2ADR

1373. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-29 19:38:34 UTC
From: jahlstr@...
Topic: 1369 Message: 1373

OK, I put the freedvpkg directory into the distribution. Please download the file again and re-install.

Jim
N2ADR

1374. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-29 20:52:40 UTC
From: dh5ym@...
Topic: 1369 Message: 1374

Hi Jim,

i got it working on my Ubuntu x64 machine.
I downloaded your updated package. Following the readme file in the freedvpkg package did the job at least almost.
Installing speex dev package with sudo apt-get install libspeexdsp-dev
change to the codec2 build directory, cmake ../ and make
Then cd back to the freedvpkg directory and copy the library with cp codec2/build_linux/src/libcodec2.so .
Then its necessary to run make again in the freedvpkg directory in order to build the module.
Without this last step the button was still grayed out. However the test described in the readme to check if the module is operational does not work here. Still i was able to use the freedv within Quisk. I decoded my own signal loopback in FDX mode of the Hiqsdr. The SNR shown was just 7dB. I have to look into that further. But it works at least.
If the freedvpkg is not assumed to change every release of quisk i suggest to provide that as a separate download. Quisk itsself is just about 1 MByte and the freedv stuff is 10MByte ;)

Thank you very much for your work ! Now i have to find someone for testing.

regards
Mario

1375. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 02:56:34 UTC
From: Sid Boyce
Topic: 1369 Message: 1375

Hi Mario,
I'll see if I can get some time over the weekend to replace codec2 with codec2-dev for quisk-3.6.22 and ghpsdr3-alex.

The codec2 list gave 14.236MHz as the 20m frequency.
How much activity there is is unknown.

Perhaps through the codec2 list someone could arrange to do a test with you.
73 ... Sid.

On 29/04/15 21:52, dh5ym@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
> i got it working on my Ubuntu x64 machine.
> I downloaded your updated package. Following the readme file in the
> freedvpkg package did the job at least almost.
> Installing speex dev package with sudo apt-get install libspeexdsp-dev
> change to the codec2 build directory, cmake ../ and make
> Then cd back to the freedvpkg directory and copy the library with cp
> codec2/build_linux/src/libcodec2.so .
> Then its necessary to run make again in the freedvpkg directory in
> order to build the module.
> Without this last step the button was still grayed out. However the
> test described in the readme to check if the module is operational
> does not work here. Still i was able to use the freedv within Quisk. I
> decoded my own signal loopback in FDX mode of the Hiqsdr. The SNR
> shown was just 7dB. I have to look into that further. But it works at
> least.
> If the freedvpkg is not assumed to change every release of quisk i
> suggest to provide that as a separate download. Quisk itsself is just
> about 1 MByte and the freedv stuff is 10MByte ;)
>
> Thank you very much for your work ! Now i have to find someone for
> testing.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1376. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 13:28:39 UTC
From: jahlstr@...
Topic: 1369 Message: 1376

Hello,

I agree that it is annoying to have the codec2 and freedv stuff make the download 10 times bigger. But without it, you can not recompile freedv. I will study how I can make this better.

Jim
N2ADR

1377. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 13:38:38 UTC
From: jahlstr@...
Topic: 1369 Message: 1377

Mario, I forgot to ask you. Did you try to run FDV after downloading; that is, without re-compiling? Did it not work? I have 32-bit Linux, not 64-bit. But if Quisk is 32-bit, then 32-bit compiles are necessary, so I thought that my 32-bit shared library would work without re-compiling.

Jim
N2ADR

1378. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 14:30:08 UTC
From: dh5ym@...
Topic: 1369 Message: 1378

Hi Jim,

my system is x64. Thats probably the issue. The 32bit binaries do not work. So i have to run make before starting. And without building the FDV stuff its not working then.

I think that explains the differences in behavior.

regards
Mario

1379. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 21:06:24 UTC
From: gvjury@...
Topic: 1369 Message: 1379

Hi Jim,

Again many thanks for the new version of Quisk. I see that you are using codec2-dev in your new version and remembering back to other posts on this topic in other groups I got the impression that codec2-dev was a development version which may have bugs or not even work at any particular point and for stable production codec2 should be used. I think all the headers are there as it compiles into ghpsdr3-alex with no problems and works well. I don't know if you have run into this issue or not and I could be barking up the wrong tree but thought I would bring it to your attention just in case. It is going to cause some clashes if I need to install both codec2 and codec2-dev so when I am sure which to use will go that way.

73 Graeme ZL2APV

1380. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-04-30 21:54:01 UTC
From: Sid Boyce
Topic: 1369 Message: 1380

That was the recommendation some months ago when the code was reorganized.

What used to be codec2-dev became codec2 (stable branch) and the new
development branch was started as codec2-dev with the warning that the
code was subject to large changes and that it may or may not work.

I/we have been using codec2 with ghpsdr3-alex.
Before I updated the wiki some guys were installing codec2-dev and
referring to it as codec2. That caused some confusion as it kept
bellyaching about not finding libspeex.

Running make, freedv.so gets built with the codec2 library.
slipstream:/opt/quisk-3.6.22 # ldd freedvpkg/freedv.so
linux-vdso.so.1 (0x00007fff647f1000)
libm.so.6 => /lib64/libm.so.6 (0x00007ffb9783f000)
libcodec2.so.0.3 => /usr/local/lib64/libcodec2.so.0.3
(0x00007ffb975df000)
libpython2.7.so.1.0 => /usr/lib64/libpython2.7.so.1.0
(0x00007ffb9722f000)
libpthread.so.0 => /lib64/libpthread.so.0 (0x00007ffb9700f000)
libc.so.6 => /lib64/libc.so.6 (0x00007ffb96c6f000)
libdl.so.2 => /lib64/libdl.so.2 (0x00007ffb96a67000)
libutil.so.1 => /lib64/libutil.so.1 (0x00007ffb9685f000)
/lib64/ld-linux-x86-64.so.2 (0x0000558132407000)

When I start up quisk (no hardware attached) the icon is greyed out.
May be a longer read will explain something I missed.
"python setup.py install" does nothing with freedv.so.

slipstream:/opt/quisk-3.6.22 # ldd _quisk.so
linux-vdso.so.1 (0x00007ffc927f9000)
libasound.so.2 => /usr/lib64/libasound.so.2 (0x00007f878657f000)
libportaudio.so.2 => /usr/lib64/libportaudio.so.2
(0x00007f878634f000)
libpulse-simple.so.0 => /usr/lib64/libpulse-simple.so.0
(0x00007f8786147000)
libfftw3.so.3 => /usr/lib64/libfftw3.so.3 (0x00007f8785d47000)
libm.so.6 => /lib64/libm.so.6 (0x00007f8785a3f000)
libpython2.7.so.1.0 => /usr/lib64/libpython2.7.so.1.0
(0x00007f878568f000)
libpthread.so.0 => /lib64/libpthread.so.0 (0x00007f878546f000)
libc.so.6 => /lib64/libc.so.6 (0x00007f87850cf000)
libdl.so.2 => /lib64/libdl.so.2 (0x00007f8784ec7000)
librt.so.1 => /lib64/librt.so.1 (0x00007f8784cbf000)
/lib64/ld-linux-x86-64.so.2 (0x000055ecbcb13000)
libjack.so.0 => /usr/lib64/libjack.so.0 (0x00007f8784a77000)

```
libpulse.so.0 => /usr/lib64/libpulse.so.0 (0x00007f8784827000)
libpulsecommon-6.0.so =>
/usr/lib64/pulseaudio/libpulsecommon-6.0.so (0x00007f87845a7000)
libutil.so.1 => /lib64/libutil.so.1 (0x00007f878439f000)
libstdc++.so.6 => /usr/lib64/libstdc++.so.6 (0x00007f8784097000)
libgcc_s.so.1 => /lib64/libgcc_s.so.1 (0x00007f8783e7f000)
libjson-c.so.2 => /usr/lib64/libjson-c.so.2 (0x00007f8783c6f000)
libdbus-1.so.3 => /lib64/libdbus-1.so.3 (0x00007f8783a27000)
libxcb.so.1 => /usr/lib64/libxcb.so.1 (0x00007f8783807000)
libsystemd.so.0 => /usr/lib64/libsystemd.so.0 (0x00007f87835d7000)
libsndfile.so.1 => /usr/lib64/libsndfile.so.1 (0x00007f8783367000)
libXau.so.6 => /usr/lib64/libXau.so.6 (0x00007f878315f000)
libcap.so.2 => /lib64/libcap.so.2 (0x00007f8782f57000)
libselinux.so.1 => /lib64/libselinux.so.1 (0x00007f8782d2f000)
liblzma.so.5 => /usr/lib64/liblzma.so.5 (0x00007f8782aff000)
libgcrypt.so.20 => /usr/lib64/libgcrypt.so.20 (0x00007f8782817000)
libresolv.so.2 => /lib64/libresolv.so.2 (0x00007f87825ff000)
libFLAC.so.8 => /usr/lib64/libFLAC.so.8 (0x00007f87823c7000)
libvorbisenc.so.2 => /usr/lib64/libvorbisenc.so.2
(0x00007f8782117000)
libspeex.so.1 => /usr/lib64/libspeex.so.1 (0x00007f8781ef7000)
libpcre.so.1 => /usr/lib64/libpcre.so.1 (0x00007f8781c87000)
libgpg-error.so.0 => /usr/lib64/libgpg-error.so.0
(0x00007f8781a6f000)
libogg.so.0 => /usr/lib64/libogg.so.0 (0x00007f8781867000)
libvorbis.so.0 => /usr/lib64/libvorbis.so.0 (0x00007f8781637000
73 ... Sid.
```

On 30/04/15 22:06, gvjury@... [n2adr-sdr] wrote:

```
>
> Hi Jim,
>
> Again many thanks for the new version of Quisk. I see that you are
> using codec2-dev in your new version and remembering back to other
> posts on this topic in other groups I got the impression that
> codec2-dev was a development version which may have bugs or not even
> work at any particular point and for stable production codec2 should
> be used. I think all the headers are there as it compiles into
> ghpsdr3-alex with no problems and works well. I don't know if you have
> run into this issue or not and I could be barking up the wrong tree
> but thought I would bring it to your attention just in case. It is
> going to cause some clashes if I need to install both codec2 and
> codec2-dev so when I am sure which to use will go that way.
>
> 73 Graeme ZL2APV
>
>
```

```
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
```

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1381. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 15:12:45 UTC
From: jahlstr@...
Topic: 1369 Message: 1381

Hello Graeme,

You are right that codec2-dev is the experimental branch. But when I downloaded codec2, the API files freedv_api.c and freedv_api.h were missing, so I was forced to use codec2-dev. But in my design, the files live in quisk/freedvpkg/codec2, and are not installed in Linux. So I don't think there will be a conflict. You can choose to use any codec2 version you want. See freedvpkg/README.txt.

And if digital voice is anything like the many other digital modes, it will be a moving target, and interested users will have to update their codec2 more often than I release a new version. I think the directions in freedvpkg/README.txt will provide a relatively painless way to do that.

Not every Quisk user will be interested in FreeDV, and I tried to minimize the impact for them. The original quisk-.tgz file was 10 megs, but the newest version is 1.6 megs. That is bigger than the old 1.1 meg, but not too bad. And it is acceptable to simply delete the freedvpkg directory with no problems. I didn't want to require that codec2 be present to compile Quisk. Quisk compiles fine whether or not codec2 code is present.

We will see if codec2 and FreeDV become popular. Meanwhile it is fun. I have met some very nice people on 14.236. Most of the changes to Quisk are confined to code in freedvpkg, so if FreeDV fades away, so will freedvpkg.

Jim
N2ADR

1382. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 15:23:37 UTC
From: jahlstr@...
Topic: 1369 Message: 1382

Hello Sid,

If the FDV button is grayed out, there is something wrong with the binaries. For example, libcodec2 could be 32-bit, but you have a 64-bit Python. The Quisk "make" will not make a new freedv. You need to "cd quisk/freedvpkg" and "make". If that fails, you need a new libcodec2.so.

I have been working on the files distributed with Quisk. The 3.6.22 version from today May 1, 2015 is different (and smaller), and the freedvpkg/README.txt file is different. But if you have an older 3.6.22, you should still be fine.

As far as I can tell, Speex is not required for the codec2 library, even though the codec2 people say it is needed. I removed Speex from my distribution. It appears that Speex is needed for some unit test utilities.

Jim
N2ADR

1383. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 15:26:16 UTC
From: jahlstr@...
Topic: 1369 Message: 1383

Hello Mario,

The new quisk-.tar.gz from today is 1.6 megs. I removed the codec2 source, but provided a new freedvpkg/README.txt showing an easy way to replace it.

Jim
N2ADR

1384. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 16:14:54 UTC
From: pascal@...
Topic: 1369 Message: 1384

Hi Jim,

I follow the README instructions to rebuild the codec2 on my ODROID-X working with ubuntu 12.04 LTS (I have used codec2-dev, as make with codec2 was not working - I also have to install cmake) , no error in the process, but the FDX button stays grey...

73, Pascal

1385. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 19:21:06 UTC
From: jahlstr@...
Topic: 1369 Message: 1385

Hello,

Did you run "make" in freedvpkg?

Are there any messages from this:

```
cd quisk # The directory above freedvpkg
python
from freedvpkg import freedv
freedv.set_options()
```

Jim
N2ADR

1386. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 19:22:01 UTC
From: jahlstr@...
Topic: 1369 Message: 1386

I forgot to ask; do you 32 or 64 bit Linux?

Jim
N2ADR

1387. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-01 19:59:20 UTC
From: pascal@...
Topic: 1369 Message: 1387

Hello

Yes , I did make in freedvpkg

```
python
>>> from freedvpkg import freedv
>>> freedv.set_options()
1
>>>
```

and ubuntu LTS on ODROID runs 32 bits

73

1388. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 07:53:33 UTC
From: gvjury@...
Topic: 1369 Message: 1388

Thanks Jim,

I should have guessed you would be a jump ahead of me and again thanks for the explanation and the extra work you have done to make it easier to set up FreeDV. I don't know if you have ever looked at the Google Hermes-Lite group but there is discussion on making the Hermes-Lite compatible with HiQSDR as well as Hermes as some of us have discovered how well thought out and intuitive Quisk is and now the recent revelation that we can code an interface with Quisk for Hermes anyway. I have never written a line of Python before but maybe I should have a go although I am reluctant to take on yet another project with so many languishing on my bench.

Cheers, Graeme ZL2APV

1389. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 08:40:51 UTC
From: gvjury@...
Topic: 1369 Message: 1389

Hi Jim,

I had a go at FreeDV again but still no luck but I did not exactly follow your instructions as I already have Codec2 inatalled on my system

1. From freedvpkg I deleted libcodec2.*
2. Copied libcodec2.* from my codec2/build/src to freedvpkg
3. ran make with output below

```
gvj@gvj-Mint ~/Programs/quisk/freedvpkg $ make
python setup.py build_ext --force --inplace
running build_ext
building 'freedv' extension
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src -I/usr/include/python2.7 -c
../import_quisk_api.c -o build/temp.linux-x86_64-2.7/../import_quisk_api.o
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src -I/usr/include/python2.7 -c freedv.c -o
build/temp.linux-x86_64-2.7/freedv.o
x86_64-linux-gnu-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions
-Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g -fstack-protector --param=ssp-buffer-size=4
-Wformat -Werror=format-security build/temp.linux-x86_64-2.7/../import_quisk_api.o
build/temp.linux-x86_64-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm -lcodec2 -o
/home/gvj/Programs/quisk/freedvpkg/freedv.so
gvj@gvj-Mint ~/Programs/quisk/freedvpkg $gvj@gvj-Mint ~/Programs/quisk/freedvpkg $ make
python setup.py build_ext --force --inplace
running build_ext
building 'freedv' extension
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src -I/usr/include/python2.7 -c
../import_quisk_api.c -o build/temp.linux-x86_64-2.7/../import_quisk_api.o
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src -I/usr/include/python2.7 -c freedv.c -o
build/temp.linux-x86_64-2.7/freedv.o
x86_64-linux-gnu-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions
-Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g -fstack-protector --param=ssp-buffer-size=4
-Wformat -Werror=format-security build/temp.linux-x86_64-2.7/../import_quisk_api.o
build/temp.linux-x86_64-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm -lcodec2 -o
/home/gvj/Programs/quisk/freedvpkg/freedv.so
gvj@gvj-Mint ~/Programs/quisk/freedvpkg $
```

FreeDV was still greyed out on quisk so I ran the python freedv import test

```
Python 2.7.6 (default, Mar 22 2014, 22:59:56)
[GCC 4.8.2] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> from freedvpkg import freedv
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
ImportError: freedvpkg/freedv.so: undefined symbol: freedv_nin
>>> freedv.set_options()
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
NameError: name 'freedv' is not defined
>>>
```

I would not have expected to have to do a fresh install of codec2 and am surprised this did not work. I wonder if you have any suggestions and please don't waste too much time on me as I am happy to do a new install if necessary.

73 Graeme ZL2APV

1390. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 08:43:28 UTC
From: gvjury@...
Topic: 1369 Message: 1390

Sorry ...

```
gvj@gvj-Mint ~/Programs/quisk $ uname -a
Linux gvj-Mint 3.13.0-24-generic #47-Ubuntu SMP Fri May 2 23:30:00 UTC 2014 x86_64 x86_64
x86_64 GNU/Linux
```

73 Graeme

1391. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 16:43:57 UTC
From: Sid Boyce
Topic: 1369 Message: 1391

Hi Jim,
Kubuntu 15.04
root@sdrbox:/opt/quisk-3.6.22/freedvpkg# file freedv.so
freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=86988eea606183b870c42381cf4cd4c2e525007e, not stripped

from freedvpkg import freedv
freedv.available() # This should return 1
Says no module available.

from freedvpkg import freedv
###freedv.available() # This should return 1
All looks good, FDV-U not greyed out.

Using codec2-dev as freedvpkg/codec2
codec2-dev also installed system wide, QtRadio which was built with
codec2 works without recompiling.
73 ... Sid.

On 01/05/15 16:23, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>
> If the FDV button is grayed out, there is something wrong with the
> binaries. For example, libcodec2 could be 32-bit, but you have a
> 64-bit Python. The Quisk "make" will not make a new freedv. You need
> to "cd quisk/freedvpkg" and "make". If that fails, you need a new
> libcodec2.so.
>
> I have been working on the files distributed with Quisk. The 3.6.22
> version from today May 1, 2015 is different (and smaller), and the
> freedvpkg/README.txt file is different. But if you have an older
> 3.6.22, you should still be fine.
>
> As far as I can tell, Speex is not required for the codec2 library,
> even though the codec2 people say it is needed. I removed Speex from
> my distribution. It appears that Speex is needed for some unit test
> utilities.
>
> Jim
> N2ADR
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1392. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 16:52:30 UTC
From: Sid Boyce
Topic: 1369 Message: 1392

I get that error only on openSUSE with stable codec2.

```
slipstream:/opt/quisk-3.6.22 # python quisk.py -c HiQSDR
Traceback (most recent call last):
File "quisk.py", line 4228, in <module>
main()
File "quisk.py", line 4224, in main
App()
File "quisk.py", line 2408, in __init__
wx.App.__init__(self, redirect=False)
File
"/usr/lib64/python2.7/site-packages/wx-2.8-gtk2-unicode/wx/_core.py",
line 7981, in __init__
self._BootstrapApp()
File
"/usr/lib64/python2.7/site-packages/wx-2.8-gtk2-unicode/wx/_core.py",
line 7555, in _BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "quisk.py", line 2436, in OnInit
exec(compile(open(ConfigPath).read(), ConfigPath, 'exec'),
d) # execute the user's config file
File "HiQSDR", line 8, in <module>
from freedvpkg import freedv
ImportError: ./freedvpkg/freedv.so: undefined symbol: freedv_nin
```

codec2-dev doesn't build on openSUSE, a speex header problem I need to
file a bug for.
73 ... Sid.

On 02/05/15 09:40, gvjury@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
> I had a go at FreeDV again but still no luck but I did not exactly
> follow your instructions as I already have Codec2 inatalled on my system
>
> 1. From freedvpkg I deleted libcodec2.*
> 2. Copied libcodec2.* from my codec2/build/src to freedvpkg
> 3. ran make with output below
>
> gvj@gvj-Mint ~/Programs/quisk/freedvpkg $ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'freedv' extension
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src

```
> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
> build/temp.linux-x86_64-2.7/../import_quisk_api.o
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-x86_64-2.7/freedv.o
> x86_64-linux-gnu-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g
> -fstack-protector --param=ssp-buffer-size=4 -Wformat
> -Werror=format-security
> build/temp.linux-x86_64-2.7/../import_quisk_api.o
> build/temp.linux-x86_64-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
> -lcodec2 -o /home/gvj/Programs/quisk/freedvpkg/freedv.so
> gvj@gvj-Mint ~/Programs/quisk/freedvpkg $gvj@gvj-Mint
> ~/Programs/quisk/freedvpkg $ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'freedv' extension
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
> build/temp.linux-x86_64-2.7/../import_quisk_api.o
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-x86_64-2.7/freedv.o
> x86_64-linux-gnu-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g
> -fstack-protector --param=ssp-buffer-size=4 -Wformat
> -Werror=format-security
> build/temp.linux-x86_64-2.7/../import_quisk_api.o
> build/temp.linux-x86_64-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
> -lcodec2 -o /home/gvj/Programs/quisk/freedvpkg/freedv.so
> gvj@gvj-Mint ~/Programs/quisk/freedvpkg $
>
> FreeDV was still greyed out on quisk so I ran the python freedv import
> test
>
> Python 2.7.6 (default, Mar 22 2014, 22:59:56)
> [GCC 4.8.2] on linux2
> Type "help", "copyright", "credits" or "license" for more information.
> >>> from freedvpkg import freedv
> Traceback (most recent call last):
> File "<stdin>", line 1, in <module>
> ImportError: freedvpkg/freedv.so: undefined symbol: freedv_nin
> >>> freedv.set_options()
> Traceback (most recent call last):
> File "<stdin>", line 1, in <module>
```

> NameError: name 'freedv' is not defined
> >>>
>
>
> I would not have expected to have to do a fresh install of codec2 and
> am surprised this did not work. I wonder if you have any suggestions
> and please don't waste too much time on me as I am happy to do a new
> install if necessary.
>
> 73 Graeme ZL2APV
>
>

--
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1393. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 16:57:00 UTC
From: jahlstr@...
Topic: 1369 Message: 1393

Hello Graeme,

This is very interesting. I think the problem is that you have an existing incompatible libcodec2. Remember that when I downloaded codec2 source, the API files freedv_api.[ch] were missing, so I used codec2-dev. The entry freedv_nin is defined in freedv_api.c, and your error messages claim it is missing.

My distribution assumes that codec2 is in freedvpkg/codec2. Then freedvpkg/freedv.c is compiled using the *.h files in codec2/src and the codec2 library from codec2/build_linux/src. This is OK up to this point.

But when the freedv module runs, it searches for libcodec2.so using the Linux search order, and I think it is finding your existing libcodec2.so before it finds mine. Then it fails, because it needs the newer version.

There is probably a way to force freedv.so to use freedvpkg/libcodec2.so, but I don't know how to do that. I can barely remember how Linux searches for shared libraries. Anyway, if you have codec2 installed on your system, my build procedure is wrong.

If you have a valid codec2 installed on your system, you should proceed as follows. First remove freedvpkg/codec2. This is a precaution against mixed versions. Then run "make" in freedvpkg. This should work, because the codec2 header files are somewhere in /usr/include, and the compiler will find them (maybe). Then the link will work because the library is somewhere in /usr/lib or /usr/local/lib, and the system will find it. Then my freedv will use your codec2 when it runs, because the system will find the libraries it used for the link.

This procedure is correct philosophically, but it will likely fail because your codec2 is not recent, and you will need to update. But then it will work. I think codec2 will be a moving target, and those that use it will need to update frequently.

I am happy to work with you on this. I want FreeDV to work, and I want to prevent problems for those who do not wish to use it.

Jim
N2ADR

1394. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 17:01:47 UTC
From: jahlstr@...
Topic: 1369 Message: 1394

Hi Sid,

The undefined freedv_nin means that you are using an older codec2 without the freedv_api files. See my post on what to do if you have codec2 installed.

The Speex files are not needed (today) by codec2. They are only used by some Unit Test modules. Try using "make codec2" instead of "make" to make only libcodec2.so.

Jim
N2ADR

1395. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 17:12:30 UTC
From: jahlstr@...
Topic: 1369 Message: 1395

This test in Python:

```
python
>>> from freedvpkg import freedv
>>> freedv.set_options()
1
>>>
```

succeeds, and means that the freedv module was found, and that the codec2 shared library was found too. But if the FDV button is grayed out, it means that the subsequent open() failed, or that API functions from freedv_api.c are missing. Please see my other posts on this topic.

I am sorry I did not think about having codec2 already installed. I did not find any Ubuntu package for it, and I just assumed I had to include it. But I will work on this until it is perfect.

Actually, my worst fear was causing Quisk to fail if there was something wrong with freedv or codec2. So having problems with codec2, and yet having Quisk keep working with a grayed out FDV button is actually good news!

Jim
N2ADR

1396. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 17:21:31 UTC
From: jahlstr@...
Topic: 1369 Message: 1396

Hello Graeme,

Thank for pointing me to the Hermes-Lite project. I looks very interesting. I thought the original Hermes project used USB, but the Hermes-Lite photo I saw showed an Ethernet connection. If it uses Ethernet, it is probably easy to make Quisk work with it. Most code would be in C with a little Python.

Jim
N2ADR

1397. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 17:55:24 UTC
From: gvjury@...
Topic: 1369 Message: 1397

Hi Jim,

Glad you looked at the project. In its present MKI form it uses an Altera sdk which plugs onto a small board with the A/D converter and from there to another board with some RF stuff like baluns, filters etc. Without postage it is ~ $100 so in the Softrock price range and within the capabilities of the average builder. It covers LF to 30 MHz so not as wide as HiQSDR but has good performance and runs with PowerSDR and John Melton's other software including the Android phone app. The MKII version already being planned will include the fpga on board and low cost simple is still the prime target. Now Quisk is being very seriously considered as part of the suite.

Back to topic after my diversion. The gnu-radio project can also install codec2 from the Ubuntu ppa although I do not have that option installed in my system. It looks like codec2 needs its own ppa for a standard Ubuntu install but as it is a moving target that probably won't happen for a while. I will get the most recent version installed to get rid of that possible error and repeat my first try and when it fails implement your suggestions and see what happens.

I think codec2 needs to be installed as a stand alone and all software which uses it should find the binaries and libs in the usual places in the standard install paths. I need to find where codec2 installs to and I know that wherever it is, ghpsdr3-alex finds and runs correctly so Quisk should be able to do the same. I installed my version of codec2 in my ~/Programs/codec2 directory and created a build directory under that before "make"

73, Graeme ZL2APV

1398. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 19:01:04 UTC
From: Sid Boyce
Topic: 1369 Message: 1398

Thanks Jim,
Everything seems OK with codec2-dev in Kubuntu.

codec2-dev used to build on openSUSE but now there is a speex header problem for which I'll file a bug report.

```
[ 60%] Built target scalarlsptest
[ 61%] Building C object
unittest/CMakeFiles/speexnoisesup.dir/speexnoisesup.c.o
In file included from /usr/include/speex/speexdsp_types.h:122:0,
from /usr/include/speex/speex_preprocess.h:46,
from /usr/src/YYY/codec2-dev/unittest/speexnoisesup.c:16:
/usr/include/speex/speexdsp_config_types.h:13:1: error: unknown type
name ?uint16_t?
typedef uint16_t spx_uint16_t;
^
/usr/include/speex/speexdsp_config_types.h:15:1: error: unknown type
name ?uint32_t?
typedef uint32_t spx_uint32_t;
^
make[2]: *** [unittest/CMakeFiles/speexnoisesup.dir/speexnoisesup.c.o]
Error 1
make[1]: *** [unittest/CMakeFiles/speexnoisesup.dir/all] Error 2
make: *** [all] Error 2
```

73 ... Sid.

On 02/05/15 18:01, jahlstr@... [n2adr-sdr] wrote:
> Hi Sid,
>
>
> The undefined freedv_nin means that you are using an older codec2
> without the freedv_api files. See my post on what to do if you have
> codec2 installed.
>
> The Speex files are not needed (today) by codec2. They are only used
> by some Unit Test modules. Try using "make codec2" instead of "make"
> to make only libcodec2.so.
>
> Jim
> N2ADR
>
>

--
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Senior Staff Specialist, Cricket Coach
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1399. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-02 19:16:04 UTC
From: Sid Boyce
Topic: 1369 Message: 1399

Hermes and Hermes-Lite both use Ethernet and Altera FPGA's.

The Hermes FPGA is the same as used in the HiQSDR, just with a greater number of LE's, likewise the ADC/DAC are higher spec'd versions of the ones used in HiQSDR.

With the Linux programs for Hermes/Hermes-Lite, HiQSDR gets detected but obviously doesn't work as Hermes command set is different.
73 ... Sid.

On 02/05/15 18:21, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Graeme,
>
>
> Thank for pointing me to the Hermes-Lite project. I looks very
> interesting. I thought the original Hermes project used USB, but the
> Hermes-Lite photo I saw showed an Ethernet connection. If it uses
> Ethernet, it is probably easy to make Quisk work with it. Most code
> would be in C with a little Python.
>
> Jim
> N2ADR
>

--
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1400. Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-02 23:19:42 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1400

Hello everyone.
With time passing, I am getting more used to OS X, and was wondering if anybody succeeded to port Quisk to OS X. I am using Yosemite on a MacBook Pro.
In the past, I always failed to compile because of the Audio interface.

Any pointer will be appreciated.

73 de Jean-Paul
AC9GH

1401. Re: Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-03 20:51:37 UTC
From: dh5ym@...
Topic: 1400 Message: 1401

```
Hi Jean-Paul,

when did you try last ? From the release notes:

Quisk Version 3.6.19 October 2014
=================================
Mario, DL3LSM, contributed changes for MacOS support. Thanks!
...

Maybe it works now ? I do not have Mac-OS.

regards
Mario
```

1402. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-03 21:01:43 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1402

Hi Mario,
I had started with 3.6.14 and had stopped after trying 3.6.18.

I will try again with the latest version and report the result here.

Jean-Paul

> On May 3, 2015, at 4:51 PM, dh5ym@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Jean-Paul,
>
> when did you try last ? From the release notes:
>
> Quisk Version 3.6.19 October 2014
> ==========
> Mario, DL3LSM, contributed changes for MacOS support. Thanks!
> ...
>
> Maybe it works now ? I do not have Mac-OS.
>
> regards
> Mario
>
>

1403. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-04 04:26:55 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1403

I updated my system, updated MacPorts,
Downloaded the latest tarsal of quick, untared,
then ran “make”

here is what I got which exactly what I always get when I try to build:

```
Jean-Pauls-MacBook-Pro-7:quisk-3.6.22 jean-paullouis$ make
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c quisk.c
-o build/temp.macosx-10.10-x86_64-2.7/quisk.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c sound.c
-o build/temp.macosx-10.10-x86_64-2.7/sound.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sound_portaudio.c -o build/temp.macosx-10.10-x86_64-2.7/sound_portaudio.o
sound_portaudio.c:7:10: fatal error: 'portaudio.h' file not found
#include <portaudio.h>
^
1 error generated.
error: command '/usr/bin/clang' failed with exit status 1
make: *** [all] Error 1
Jean-Pauls-MacBook-Pro-7:quisk-3.6.22 jean-paullouis$
```

I cannot figure out where to get the required “port audio.h” file.

Jean-Paul
AC9GH

> On May 3, 2015, at 5:01 PM, Jean-Paul Louis louijp@yahoo.com [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Mario,
> I had started with 3.6.14 and had stopped after trying 3.6.18.
>
> I will try again with the latest version and report the result here.
>
> Jean-Paul
>
> > On May 3, 2015, at 4:51 PM, dh5ym@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> >
> > Hi Jean-Paul,
> >
> > when did you try last ? From the release notes:
> >
> > Quisk Version 3.6.19 October 2014
> > ================================
> > Mario, DL3LSM, contributed changes for MacOS support. Thanks!
> > ...
> >
> > Maybe it works now ? I do not have Mac-OS.
> >
> > regards
> > Mario
> >
> >
>
>
>

1404. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-04 07:52:03 UTC
From: dh5ym@...
Topic: 1400 Message: 1404

Hi,

Portaudio is a audio library available for several operation systems. You need the development package. Under linux its called portaudio-dev. The portaudio.h is part of that.

regards
Mario

1405. Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-04 16:28:41 UTC
From: jahlstr@...
Topic: 1369 Message: 1405

Hello,

You wrote:
>>I think codec2 needs to be installed as a stand alone and all software which uses it should find the binaries and libs in the usual places in the standard install paths.

I agree, but there is no codec2 Ubuntu package to install. Unless the install is easy, I need to include a codec2.

I think if codec2 is installed in the usual place, Quisk will use it instead of my version, and everything will work. Otherwise you can delete freedvpkg/codec2 to make sure the local version is used.

Jim
N2ADR

1406. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-04 17:13:54 UTC
From: Mike
Topic: 1369 Message: 1406

Yep .. what i remember there is no package under Ubuntu for codec2 ....

Needs to be retrieved with subverson .... probably other ways .. this is
the way i last did it (pulled from ghpsdr3-alex install pages)

svn co https://freetel.svn.sourceforge.net/svnroot/freetel/codec2

On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hello,
>
>
> You wrote:
> >>I think codec2 needs to be installed as a stand alone and all
> software which uses it should find the binaries and libs in the usual
> places in the standard install paths.
>
> I agree, but there is no codec2 Ubuntu package to install. Unless the
> install is easy, I need to include a codec2.
>
> I think if codec2 is installed in the usual place, Quisk will use it
> instead of my version, and everything will work. Otherwise you can
> delete freedvpkg/codec2 to make sure the local version is used.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1407. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-04 20:23:13 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1407

I made a little progress, but is seems that clang choke on most of the code in sound_portaudio.c

I copied the two files (port audio.h and pa_mac_core.h in the same directory as sound_portaudio.c, and I got the new set of errors.
I moved the line #include “port audio.h” after the #include “quick.h"

Here is what I am getting now:

```
Jean-Pauls-MacBook-Pro-7:quisk-3.6.22 jean-paullouis$ make
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
creating build/temp.macosx-10.10-x86_64-2.7
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c quisk.c
-o build/temp.macosx-10.10-x86_64-2.7/quisk.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c sound.c
-o build/temp.macosx-10.10-x86_64-2.7/sound.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sound_portaudio.c -o build/temp.macosx-10.10-x86_64-2.7/sound_portaudio.o
sound_portaudio.c:10:10: error: expected "FILENAME" or <FILENAME>
#include “portaudio.h”
^
sound_portaudio.c:29:2: error: use of undeclared identifier 'PaError'
PaError error;
^
sound_portaudio.c:35:10: warning: implicit declaration of function
'Pa_GetStreamReadAvailable' is invalid in C99
[-Wimplicit-function-declaration]
avail = Pa_GetStreamReadAvailable((PaStream * )dev->handle);
^
sound_portaudio.c:35:37: error: use of undeclared identifier 'PaStream'
avail = Pa_GetStreamReadAvailable((PaStream * )dev->handle);
^
sound_portaudio.c:35:48: error: expected expression
avail = Pa_GetStreamReadAvailable((PaStream * )dev->handle);
^
sound_portaudio.c:44:2: error: use of undeclared identifier 'error'
error = Pa_ReadStream ((PaStream * )dev->handle, fbuffer, avail);
^
```

```
sound_portaudio.c:44:10: warning: implicit declaration of function 'Pa_ReadStream' is
invalid in C99
[-Wimplicit-function-declaration]
error = Pa_ReadStream ((PaStream * )dev->handle, fbuffer, avail);
^
sound_portaudio.c:44:26: error: use of undeclared identifier 'PaStream'
error = Pa_ReadStream ((PaStream * )dev->handle, fbuffer, avail);
^
sound_portaudio.c:44:37: error: expected expression
error = Pa_ReadStream ((PaStream * )dev->handle, fbuffer, avail);
^
sound_portaudio.c:45:6: error: use of undeclared identifier 'error'
if (error != paNoError) {
^
sound_portaudio.c:45:15: error: use of undeclared identifier 'paNoError'
if (error != paNoError) {
^
sound_portaudio.c:72:2: error: use of undeclared identifier 'PaError'
PaError error;
^
sound_portaudio.c:78:35: warning: implicit declaration of function
'Pa_GetStreamWriteAvailable' is invalid in C99
[-Wimplicit-function-declaration]
delay = playdev->play_buf_size - Pa_GetStreamWriteAvailable(playdev->handle);
^
sound_portaudio.c:128:2: error: use of undeclared identifier 'error'
error = Pa_WriteStream ((PaStream * )playdev->handle, fbuffer, nSamples - index);
^
sound_portaudio.c:128:10: warning: implicit declaration of function 'Pa_WriteStream' is
invalid in C99
[-Wimplicit-function-declaration]
error = Pa_WriteStream ((PaStream * )playdev->handle, fbuffer, nSamples - index);
^
sound_portaudio.c:128:27: error: use of undeclared identifier 'PaStream'
error = Pa_WriteStream ((PaStream * )playdev->handle, fbuffer, nSamples - index);
^
sound_portaudio.c:128:38: error: expected expression
error = Pa_WriteStream ((PaStream * )playdev->handle, fbuffer, nSamples - index);
^
sound_portaudio.c:130:6: error: use of undeclared identifier 'error'
if (error == paNoError)
^
sound_portaudio.c:130:15: error: use of undeclared identifier 'paNoError'
if (error == paNoError)
^
sound_portaudio.c:132:11: error: use of undeclared identifier 'error'
else if (error == paOutputUnderflowed) {
^
sound_portaudio.c:132:20: error: use of undeclared identifier 'paOutputUnderflowed'
else if (error == paOutputUnderflowed) {
```

```
^
sound_portaudio.c:147:8: error: unknown type name 'PaDeviceInfo'
const PaDeviceInfo * info;
^
sound_portaudio.c:148:2: error: use of undeclared identifier 'PaStreamParameters'
PaStreamParameters params;
^
sound_portaudio.c:157:9: warning: implicit declaration of function 'Pa_GetDeviceInfo' is
invalid in C99
[-Wimplicit-function-declaration]
info = Pa_GetDeviceInfo(index);
^
fatal error: too many errors emitted, stopping now [-ferror-limit=]
5 warnings and 20 errors generated.
error: command '/usr/bin/clang' failed with exit status 1
make: *** [all] Error 1
```

> On May 4, 2015, at 3:52 AM, dh5ym@yahoo.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi,
>
> Portaudio is a audio library available for several operation systems. You need the development package. Under linux its called portaudio-dev. The portaudio.h is part of that.
>
> regards
> Mario
>
>

1408. Re: [n2adr-sdr] UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2015-05-05 18:39:04 UTC
From: Mike
Topic: 1310 Message: 1408

Well shoot ....

I downloaded the latest quisk .. and wanted to make my previous changes
before exploring the digital voice ... but darned if i cant remember
what file i changed ....
I should of included that info too i guess .... i thought it was
quisk.py .... but i cant find the lines of code to change.

any one recognise the code ?

Ill keep looking ... i found it quickly when i first tried .... now
bumpkiss ....

On 12/17/2014 02:09 PM, Mike wrote:
> I found my other change for the UHFSDR ....
>
> changed
>
> freq = int(freq * 4)
> dco_new = None
> hsdiv_new = 0
> n1_new = 0
> for hsdiv in SI570_HSDIV_VALUES:
>
> to
>
> freq = int(freq * 2)
>
>
> On 12/16/2014 10:43 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Well ... sorry for the bandwidth ....
>>
>> Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
>> it saposed to be good up to 1.41Ghz output ... mine is LVDS output.
>>
>> Iv had a bit of a problem for a while of not being able to use anything
>> above 1.25M hamband for some reason.
>> I knew that usbsoftrock would set higher frequencies .... just not why.
>>
>> I think i found the answer tonight .... and i hope Jim is ok with me
>> posting the change to hardware_usb.py in the softrock folder ....
>>
>> actually i made 2 changes .. but ill get to the other later for users of
>> divide by 2 Rf front ends ...
>>

```
>> im not sure what line number right now .... but its about 3/4 the way
>> down.
>>
>> # For now, find the minimum DCO speed that will give us the
>> # desired frequency; if we're slewing in the future, we want this
>> # to additionally yield an RFREQ ~= 512.
>> freq = int(freq * 4)
>> dco_new = None
>> hsdiv_new = 0
>> n1_new = 0
>> for hsdiv in SI570_HSDIV_VALUES:
>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
>> if n1 < 1:
>> n1 = 1
>> else: <::::::: Remark
>> me with a "#" at the beginning of this line
>> n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
>> "#" at the beginning of this line
>> dco = (freq * 1.0) * hsdiv * n1
>>
>> I know what the "else:" is doing here in this code area ...
>> but not
>> n1 = ((n1 + 1) / 2) * 2
>>
>> If n1 was 1.1 from the previous code --- with wanting a freq of
>> 940Mhz ...
>>
>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
>> 4.85ghz / ((940Ghz * 4)
>> note: 4 is the lowest hsdiv you can have
>>
>> then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)
>>
>> n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)
>>
>> so in equation n1 = ((n1 + 1) / 2) * 2 where
>> n1 = ((1+1)/2)*2
>> n1 = ((2) /2)*2
>> n1 = ( 1 )*2
>> n1 = 2 ..... n1 started as 1 and when ever n1
>> is below 2 , it will be recalc'ed back up to 2
>>
>> So ... when the DCO freq is checked in the last line .... it will always
>> be outside the Min / Max DCO frequency limits ... if you had a Si570
>> class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
>> Si570 .. you don't need it)
>>
>> with n1 being pushed to 2 when ever its below 2 the max freq the Si570
>> can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.
>>
```

>> Or my reasoning is totally messed up ... but this did work for me !!!!!
>>
>> YMMV !!!!!!
>>
>> --
>> Mike KC7NOA
>>
>>
>
> --
> Mike KC7NOA

--
Mike KC7NOA

1409. Re: [n2adr-sdr] UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2015-05-05 19:05:35 UTC
From: Mike
Topic: 1310 Message: 1409

under softrock folder: hardware_usb.py

man .... good way to kill some time !!!!! (and frustrating)

On 05/05/2015 11:39 AM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Well shoot ....
>
> I downloaded the latest quisk .. and wanted to make my previous
> changes before exploring the digital voice ... but darned if i cant
> remember what file i changed ....
> I should of included that info too i guess .... i thought it was
> quisk.py .... but i cant find the lines of code to change.
>
> any one recognise the code ?
>
> Ill keep looking ... i found it quickly when i first tried .... now
> bumpkiss ....
>
>
> On 12/17/2014 02:09 PM, Mike wrote:
>> I found my other change for the UHFSDR ....
>>
>> changed
>>
>> freq = int(freq * 4)
>> dco_new = None
>> hsdiv_new = 0
>> n1_new = 0
>> for hsdiv in SI570_HSDIV_VALUES:
>>
>> to
>>
>> freq = int(freq * 2)
>>
>>
>> On 12/16/2014 10:43 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> Well ... sorry for the bandwidth ....
>>>
>>> Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
>>> it saposed to be good up to 1.41Ghz output ... mine is LVDS output.
>>>
>>> Iv had a bit of a problem for a while of not being able to use anything
>>> above 1.25M hamband for some reason.

```
>>> I knew that usbsoftrock would set higher frequencies .... just not why.
>>>
>>> I think i found the answer tonight .... and i hope Jim is ok with me
>>> posting the change to hardware_usb.py in the softrock folder ....
>>>
>>> actually i made 2 changes .. but ill get to the other later for
>>> users of
>>> divide by 2 Rf front ends ...
>>>
>>> im not sure what line number right now .... but its about 3/4 the
>>> way down.
>>>
>>> # For now, find the minimum DCO speed that will give us the
>>> # desired frequency; if we're slewing in the future, we want this
>>> # to additionally yield an RFREQ ~= 512.
>>> freq = int(freq * 4)
>>> dco_new = None
>>> hsdiv_new = 0
>>> n1_new = 0
>>> for hsdiv in SI570_HSDIV_VALUES:
>>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
>>> if n1 < 1:
>>> n1 = 1
>>> else: <::::::: Remark
>>> me with a "#" at the beginning of this line
>>> n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
>>> "#" at the beginning of this line
>>> dco = (freq * 1.0) * hsdiv * n1
>>>
>>> I know what the "else:" is doing here in this code area ...
>>> but not
>>> n1 = ((n1 + 1) / 2) * 2
>>>
>>> If n1 was 1.1 from the previous code --- with wanting a freq of
>>> 940Mhz ...
>>>
>>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
>>> 4.85ghz / ((940Ghz * 4)
>>> note: 4 is the lowest hsdiv you can have
>>>
>>> then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)
>>>
>>> n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)
>>>
>>> so in equation n1 = ((n1 + 1) / 2) * 2 where
>>> n1 = ((1+1)/2)*2
>>> n1 = ((2) /2)*2
>>> n1 = ( 1 )*2
>>> n1 = 2 ...... n1 started as 1 and when ever n1
>>> is below 2 , it will be recalc'ed back up to 2
```

>>>
>>> So ... when the DCO freq is checked in the last line .... it will
>>> always
>>> be outside the Min / Max DCO frequency limits ... if you had a Si570
>>> class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
>>> Si570 .. you don't need it)
>>>
>>> with n1 being pushed to 2 when ever its below 2 the max freq the Si570
>>> can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.
>>>
>>> Or my reasoning is totally messed up ... but this did work for me !!!!!
>>>
>>> YMMV !!!!!!
>>>
>>> --
>>> Mike KC7NOA
>>>
>>
>> --
>> Mike KC7NOA
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1410. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-05 19:38:10 UTC
From: Mike
Topic: 1369 Message: 1410

I tried in a slightly diferent way .. might of not got all what was needed .... but ..

I moved libcodec2.* to the freedvpkg folder of quisk .... and did a make there .... (following some read.me)

Didnt see an error, but i didnt do a make install either.. not sure if i needed to do that ... but right now the digital voice button is still grey ...

```
odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
/usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
odroid@odroid:~/Downloads/quisk/freedvpkg$ ls
README.txt __init__.pyc codec2 freedv.pyd libcodec2.so makefile
__init__.py build freedv.c freedv.so libcodec2.so.0.3 setup.py
odroid@odroid:~/Downloads/quisk/freedvpkg$ make
python setup.py build_ext --force --inplace
running build_ext
building 'freedv' extension
arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
-fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c ../import_quisk_api.c -o
build/temp.linux-armv7l-2.7/../import_quisk_api.o
arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
-fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c freedv.c -o build/temp.linux-armv7l-2.7/freedv.o
arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
-Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
-fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-D_FORTIFY_SOURCE=2 -g -fstack-protector --param=ssp-buffer-size=4
-Wformat -Werror=format-security
build/temp.linux-armv7l-2.7/../import_quisk_api.o
build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm -lcodec2
-o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
odroid@odroid:~/Downloads/quisk/freedvpkg$
```

On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hello,
>
>
> You wrote:
> >>I think codec2 needs to be installed as a stand alone and all
> software which uses it should find the binaries and libs in the usual
> places in the standard install paths.
>

> I agree, but there is no codec2 Ubuntu package to install. Unless the
> install is easy, I need to include a codec2.
>
> I think if codec2 is installed in the usual place, Quisk will use it
> instead of my version, and everything will work. Otherwise you can
> delete freedvpkg/codec2 to make sure the local version is used.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1411. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-05 20:59:43 UTC
From: Mike
Topic: 1369 Message: 1411

Also i used a slightly older version of codec2 .... like 3 months old by now ....

Probably would not of hurt to just built the one that was packed with quisk .... i just didn't want to mess up my install of ghpsdr3-alex --- which on hind sight, iv not used for 3 months .... go figure.

like another has said/asked .. if quisk could just do a 600Khz split !!!

On 05/05/2015 12:38 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I tried in a slightly diferent way .. might of not got all what was
> needed .... but ..
>
> I moved libcodec2.* to the freedvpkg folder of quisk .... and did a
> make there .... (following some read.me)
>
> Didnt see an error, but i didnt do a make install either.. not sure if
> i needed to do that ... but right now the digital voice button is
> still grey ...
>
> odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
> /usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
> odroid@odroid:~/Downloads/quisk/freedvpkg$ ls
> README.txt __init__.pyc codec2 freedv.pyd libcodec2.so
> makefile
> __init__.py build freedv.c freedv.so libcodec2.so.0.3 setup.py
> odroid@odroid:~/Downloads/quisk/freedvpkg$ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'freedv' extension
> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/../import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
> -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
> -D_FORTIFY_SOURCE=2 -g -fstack-protector --param=ssp-buffer-size=4
> -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/../import_quisk_api.o
> build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm

> -lcodec2 -o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
> odroid@odroid:~/Downloads/quisk/freedvpkg$
>
>
> On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>>
>> Hello,
>>
>>
>> You wrote:
>> >>I think codec2 needs to be installed as a stand alone and all
>> software which uses it should find the binaries and libs in the usual
>> places in the standard install paths.
>>
>> I agree, but there is no codec2 Ubuntu package to install. Unless
>> the install is easy, I need to include a codec2.
>>
>> I think if codec2 is installed in the usual place, Quisk will use it
>> instead of my version, and everything will work. Otherwise you can
>> delete freedvpkg/codec2 to make sure the local version is used.
>>
>> Jim
>> N2ADR
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1412. Re: [n2adr-sdr] UHFSDR & Si570 & Quisk

Yahoo group: n2adr-sdr
Date: 2015-05-05 23:12:26 UTC
From: Sid Boyce
Topic: 1310 Message: 1412

There are some powerful search tools available.

"grep" is your friend when searching for strings, e.g

```
root@odroidu3:/opt/quisk-3.6.22# grep -r dco_new *
softrock/hardware_usb.py: dco_new = None
softrock/hardware_usb.py: if not dco_new or dco < dco_new:
softrock/hardware_usb.py: dco_new = dco
softrock/hardware_usb.py: if not dco_new:
softrock/hardware_usb.py: rfreq = dco_new / self.conf.si570_xtal_freq
root@odroidu3:/opt/quisk-3.6.22#
```

That says search recursively for the word dco_new in files in the
current directory and subdirectories.
"grep -ir" for ignore case. dco_new, dco_n or dco_ne will yield the same
results.

Searching for files - e.g "mlocate qmake" will list every instance of
files with qmake in their names on your system.

mlocate.updatedb is run by crondaily to create a database of all files
in a system so that mlocate can spew out a list speedily rather than the
long wait using the find command.
73 ... Sid.

On 05/05/15 20:05, Mike Patriot121@... [n2adr-sdr] wrote:
> under softrock folder: hardware_usb.py
>
> man .... good way to kill some time !!!!! (and frustrating)
>
> On 05/05/2015 11:39 AM, Mike Patriot121@... [n2adr-sdr] wrote:
>> ?
>>
>> Well shoot ....
>>
>> I downloaded the latest quisk .. and wanted to make my previous
>> changes before exploring the digital voice ... but darned if i cant
>> remember what file i changed ....
>> I should of included that info too i guess .... i thought it was
>> quisk.py .... but i cant find the lines of code to change.
>>
>> any one recognise the code ?
>>
>> Ill keep looking ... i found it quickly when i first tried .... now
>> bumpkiss ....

```
>>
>>
>> On 12/17/2014 02:09 PM, Mike wrote:
>>> I found my other change for the UHFSDR ....
>>>
>>> changed
>>>
>>> freq = int(freq * 4)
>>> dco_new = None
>>> hsdiv_new = 0
>>> n1_new = 0
>>> for hsdiv in SI570_HSDIV_VALUES:
>>>
>>> to
>>>
>>> freq = int(freq * 2)
>>>
>>>
>>> On 12/16/2014 10:43 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> ?
>>>>
>>>> Well ... sorry for the bandwidth ....
>>>>
>>>> Ill start off as saying that i have a UHSDR with a Class "A" Si570 ...
>>>> it saposed to be good up to 1.41Ghz output ... mine is LVDS output.
>>>>
>>>> Iv had a bit of a problem for a while of not being able to use
>>>> anything
>>>> above 1.25M hamband for some reason.
>>>> I knew that usbsoftrock would set higher frequencies .... just not why.
>>>>
>>>> I think i found the answer tonight .... and i hope Jim is ok with me
>>>> posting the change to hardware_usb.py in the softrock folder ....
>>>>
>>>> actually i made 2 changes .. but ill get to the other later for
>>>> users of
>>>> divide by 2 Rf front ends ...
>>>>
>>>> im not sure what line number right now .... but its about 3/4 the
>>>> way down.
>>>>
>>>> # For now, find the minimum DCO speed that will give us the
>>>> # desired frequency; if we're slewing in the future, we want this
>>>> # to additionally yield an RFREQ ~= 512.
>>>> freq = int(freq * 4)
>>>> dco_new = None
>>>> hsdiv_new = 0
>>>> n1_new = 0
>>>> for hsdiv in SI570_HSDIV_VALUES:
>>>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
```

```
>>>> if n1 < 1:
>>>> n1 = 1
>>>> else: <::::::: Remark
>>>> me with a "#" at the beginning of this line
>>>> n1 = ((n1 + 1) / 2) * 2 <::::::: Remark me with a
>>>> "#" at the beginning of this line
>>>> dco = (freq * 1.0) * hsdiv * n1
>>>>
>>>> I know what the "else:" is doing here in this code area ...
>>>> but not
>>>> n1 = ((n1 + 1) / 2) * 2
>>>>
>>>> If n1 was 1.1 from the previous code --- with wanting a freq of
>>>> 940Mhz ...
>>>>
>>>> n1 = int(math.ceil(SI570_MIN_DCO / (freq * hsdiv)))
>>>> 4.85ghz / ((940Ghz * 4)
>>>> note: 4 is the lowest hsdiv you can have
>>>>
>>>> then n1= 1.289893617 (BEFORE math.ceil FUNCTION IS USED)
>>>>
>>>> n1= 1 after math.ceil FUNCTION IS USED (i had to go look it up ... lol)
>>>>
>>>> so in equation n1 = ((n1 + 1) / 2) * 2 where
>>>> n1 = ((1+1)/2)*2
>>>> n1 = ((2) /2)*2
>>>> n1 = ( 1 )*2
>>>> n1 = 2 ...... n1 started as 1 and when ever n1
>>>> is below 2 , it will be recalc'ed back up to 2
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>>>> So ... when the DCO freq is checked in the last line .... it will
>>>> always
>>>> be outside the Min / Max DCO frequency limits ... if you had a Si570
>>>> class A OR B !!!(BTY .. dont spend the extra money on the Class "A"
>>>> Si570 .. you don't need it)
>>>>
>>>> with n1 being pushed to 2 when ever its below 2 the max freq the Si570
>>>> can output is 606.5Mhz .... thats 303Mhz with a /2 Rf front end.
>>>>
>>>> Or my reasoning is totally messed up ... but this did work for me !!!!!
>>>>
>>>> YMMV !!!!!!
>>>>
>>>> --
>>>> Mike KC7NOA
>>>>
>>>
>>> --
>>> Mike KC7NOA
>>
```

>> --
>> Mike KC7NOA
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1413. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-05 23:17:45 UTC
From: Sid Boyce
Topic: 1369 Message: 1413

All Good ... In the quisk directory do make or "pthon setup.py install".
In the config file - ~/.quisk_conf.py or whatever

from softrock import quisk_hardware
quisk_widgets = None

from freedvpkg import freedv
73 ... Sid.

On 05/05/15 20:38, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I tried in a slightly diferent way .. might of not got all what was
> needed .... but ..
>
> I moved libcodec2.* to the freedvpkg folder of quisk .... and did a
> make there .... (following some read.me)
>
> Didnt see an error, but i didnt do a make install either.. not sure if
> i needed to do that ... but right now the digital voice button is
> still grey ...
>
> odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
> /usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
> odroid@odroid:~/Downloads/quisk/freedvpkg$ ls
> README.txt ? __init__.pyc ? codec2 ? ? freedv.pyd ? libcodec2.so ?
> ? ? makefile
> __init__.py ? build ? ? ? ? freedv.c ? freedv.so ?
> libcodec2.so.0.3 ? setup.py
> odroid@odroid:~/Downloads/quisk/freedvpkg$ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'freedv' extension
> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/../import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
> -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
> -D_FORTIFY_SOURCE=2 -g -fstack-protector --param=ssp-buffer-size=4
> -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/../import_quisk_api.o

> build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
> -lcodec2 -o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
> odroid@odroid:~/Downloads/quisk/freedvpkg$
>
>
> On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>> ?
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>> Hello,
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>> You wrote:
>> >>I think codec2 needs to be installed as a stand alone and all
>> software which uses it should find the binaries and libs in the usual
>> places in the standard install paths.
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>> I agree, but there is no codec2 Ubuntu package to install. ? Unless
>> the install is easy, I need to include a codec2.
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>> I think if codec2 is installed in the usual place, Quisk will use it
>> instead of my version, and everything will work. ? Otherwise you can
>> delete freedvpkg/codec2 to make sure the local version is used.
>>
>> Jim
>> N2ADR
>> ?
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1414. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-05 23:21:26 UTC
From: Mike
Topic: 1369 Message: 1414

DOGH .. i totally missed that need ....

from freedvpkg import freedv

On 05/05/2015 04:17 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> All Good ... In the quisk directory do make or "pthon setup.py install".
> In the config file - ~/.quisk_conf.py or whatever
>
> from softrock import quisk_hardware
> quisk_widgets = None
>
> from freedvpkg import freedv
> 73 ... Sid.
>
> On 05/05/15 20:38, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> I tried in a slightly diferent way .. might of not got all what was
>> needed .... but ..
>>
>> I moved libcodec2.* to the freedvpkg folder of quisk .... and did a
>> make there .... (following some read.me)
>>
>> Didnt see an error, but i didnt do a make install either.. not sure
>> if i needed to do that ... but right now the digital voice button is
>> still grey ...
>>
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
>> /usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ ls
>> README.txt Â __init__.pyc Â codec2 Â Â freedv.pyd Â libcodec2.so Â
>> Â Â makefile
>> __init__.py Â build Â Â Â Â freedv.c Â freedv.so Â
>> libcodec2.so.0.3 Â setup.py
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ make
>> python setup.py build_ext --force --inplace
>> running build_ext
>> building 'freedv' extension
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c freedv.c -o

>> build/temp.linux-armv7l-2.7/freedv.o
>> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
>> -Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
>> -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> -Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g -fstack-protector
>> --param=ssp-buffer-size=4 -Wformat -Werror=format-security
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
>> -lcodec2 -o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
>> odroid@odroid:~/Downloads/quisk/freedvpkg$
>>
>>
>> On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
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>>> Hello,
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>>>
>>> You wrote:
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>>> software which uses it should find the binaries and libs in the
>>> usual places in the standard install paths.
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>>> I agree, but there is no codec2 Ubuntu package to install. Â Unless
>>> the install is easy, I need to include a codec2.
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>>> I think if codec2 is installed in the usual place, Quisk will use it
>>> instead of my version, and everything will work. Â Otherwise you can
>>> delete freedvpkg/codec2 to make sure the local version is used.
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>>> Jim
>>> N2ADR
>>> Â
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>> Mike KC7NOA
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>

--
Mike KC7NOA

1415. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-05 23:29:42 UTC
From: Sid Boyce
Topic: 1369 Message: 1415

ghpsdr3-alex built with codec2 earlier and tested with codec2-dev later
without rebuilding still works.
QtRadio built with codec2 at 19:54
codec2-dev built and installed at 22:34

root@odroidu3:/opt/quisk-3.6.22# ls -l /usr/local/bin/QtRadio
-rwxr-xr-x 1 root root 6950433 may 5 19:54 /usr/local/bin/QtRadio

root@odroidu3:/opt/quisk-3.6.22# ls -l
/usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.3
-rw-r--r-- 1 root root 514494 may 5 22:34
/usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.3
73 ... Sid.

On 05/05/15 21:59, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Also i used a slightly older version of codec2 .... like 3 months old
> by now ....
>
> Probably would not of hurt to just built the one that was packed with
> quisk .... i just didn't want to mess up my install of ghpsdr3-alex
> --- which on hind sight, iv not used for 3 months .... go figure.
>
> like another has said/asked .. if quisk could just do a 600Khz split !!!
>
> On 05/05/2015 12:38 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>> ?
>>
>> I tried in a slightly diferent way .. might of not got all what was
>> needed .... but ..
>>
>> I moved libcodec2.* to the freedvpkg folder of quisk .... and did a
>> make there .... (following some read.me)
>>
>> Didnt see an error, but i didnt do a make install either.. not sure
>> if i needed to do that ... but right now the digital voice button is
>> still grey ...
>>
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
>> /usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ ls
>> README.txt ? __init__.pyc ? codec2 ? ? freedv.pyd ? libcodec2.so ?
>> ? ? makefile
>> __init__.py ? build ? ? ? ? freedv.c ? freedv.so ?
>> libcodec2.so.0.3 ? setup.py
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ make

```
>> python setup.py build_ext --force --inplace
>> running build_ext
>> building 'freedv' extension
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c freedv.c -o
>> build/temp.linux-armv7l-2.7/freedv.o
>> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
>> -Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
>> -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> -Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g -fstack-protector
>> --param=ssp-buffer-size=4 -Wformat -Werror=format-security
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
>> -lcodec2 -o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
>> odroid@odroid:~/Downloads/quisk/freedvpkg$
>>
>>
>> On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>>> ?
>>>
>>> Hello,
>>>
>>>
>>> You wrote:
>>> >>I think codec2 needs to be installed as a stand alone and all
>>> software which uses it should find the binaries and libs in the
>>> usual places in the standard install paths.
>>>
>>> I agree, but there is no codec2 Ubuntu package to install. ? Unless
>>> the install is easy, I need to include a codec2.
>>>
>>> I think if codec2 is installed in the usual place, Quisk will use it
>>> instead of my version, and everything will work. ? Otherwise you can
>>> delete freedvpkg/codec2 to make sure the local version is used.
>>>
>>> Jim
>>> N2ADR
>>> ?
>>
>> --
>> Mike KC7NOA
>
> --
> Mike KC7NOA
>
```

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1416. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 02:08:35 UTC
From: jahlstr@...
Topic: 1369 Message: 1416

If you copy libcodec2.* to Quisk, overwrite the Quisk version. It is either in freedvpkg, or in freedvpkg/codec2/build_linux/src. It depends on which version of Quisk you have.

There is no "install" step for the Quisk libcodec2. The libcodec2 is somewhere under freedvpkg. I didn't want to interfere with other versions of libcodec2 on your system.

Jim
N2ADR

1417. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-06 02:13:26 UTC
From: jahlstr@...
Topic: 1400 Message: 1417

The PortAudio and PulseAudio systems are optional. Did you compile Alsa successfully? If so, you have a working audio system. The file sound_directx.c has dummy versions of PortAudio and PulseAudio. You could copy this code into your own file, and just use Alsa for sound.

Jim
N2ADR

1418. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-06 04:43:46 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1418

Hi Jim,
I was under the impression that ALSA is not supported on Mac OS X.
I might be wrong as usual.
I will check if ALSA is available, and report here.

Thanks,
Jean-Paul
AC9GH

> On May 5, 2015, at 10:13 PM, jahlstr@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> The PortAudio and PulseAudio systems are optional. Did you compile Alsa successfully? If so, you have a working audio system. The file sound_directx.c has dummy versions of PortAudio and PulseAudio. You could copy this code into your own file, and just use Alsa for sound.
>
>
> Jim
> N2ADR
>
>

1419. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 05:15:56 UTC
From: Mike
Topic: 1369 Message: 1419

```
i tried "from freedvpkg import freedv" in .quisk_conf.py but got this
error, i didnt use "from softrock import quisk_hardware
quisk_widgets = None" because i was not sure if it would conflict ....

and i shut the odroid down while i was taking out the trash .. and cant
ssh into it to ve\rify if it would actually cause problems .... oh well.

odroid@odroid:~/Downloads/quisk$ python quisk
Traceback (most recent call last):
File "quisk", line 8, in <module>
quisk.main()
File "/home/odroid/Downloads/quisk/quisk.py", line 4224, in main
App()
File "/home/odroid/Downloads/quisk/quisk.py", line 2408, in __init__
wx.App.__init__(self, redirect=False)
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7981, in __init__
self._BootstrapApp()
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7555, in _BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "/home/odroid/Downloads/quisk/quisk.py", line 2436, in OnInit
exec(compile(open(ConfigPath).read(), ConfigPath, 'exec'), d)#
execute the user's config file
File "/home/odroid/.quisk_conf.py", line 3, in <module>
from freedvpkg import freedv
ImportError: ./freedvpkg/freedv.so: undefined symbol: freedv_nin
odroid@odroid:~/Downloads/quisk$

remove "from freedvpkg import freedv" from .quisk_conf.py and quisk
launches ok ....

On 05/05/2015 04:17 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> All Good ... In the quisk directory do make or "pthon setup.py install".
> In the config file - ~/.quisk_conf.py or whatever
>
> from softrock import quisk_hardware
> quisk_widgets = None
>
> from freedvpkg import freedv
> 73 ... Sid.
>
> On 05/05/15 20:38, Mike Patriot121@... [n2adr-sdr] wrote:
```

>>
>> I tried in a slightly diferent way .. might of not got all what was
>> needed .... but ..
>>
>> I moved libcodec2.* to the freedvpkg folder of quisk .... and did a
>> make there .... (following some read.me)
>>
>> Didnt see an error, but i didnt do a make install either.. not sure
>> if i needed to do that ... but right now the digital voice button is
>> still grey ...
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>> odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo mv
>> /usr/local/lib/arm-linux-gnueabihf/libcodec2.* .
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>> README.txt Â __init__.pyc Â codec2 Â Â freedv.pyd Â libcodec2.so Â
>> Â Â makefile
>> __init__.py Â build Â Â Â Â freedv.c Â freedv.so Â
>> libcodec2.so.0.3 Â setup.py
>> odroid@odroid:~/Downloads/quisk/freedvpkg$ make
>> python setup.py build_ext --force --inplace
>> running build_ext
>> building 'freedv' extension
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> arm-linux-gnueabihf-gcc -pthread -fno-strict-aliasing -DNDEBUG -g
>> -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
>> -I/usr/include/python2.7 -c freedv.c -o
>> build/temp.linux-armv7l-2.7/freedv.o
>> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
>> -Wl,-Bsymbolic-functions -Wl,-Bsymbolic-functions -Wl,-z,relro
>> -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> -Wstrict-prototypes -D_FORTIFY_SOURCE=2 -g -fstack-protector
>> --param=ssp-buffer-size=4 -Wformat -Werror=format-security
>> build/temp.linux-armv7l-2.7/../import_quisk_api.o
>> build/temp.linux-armv7l-2.7/freedv.o -L. -Wl,-R./freedvpkg -lm
>> -lcodec2 -o /home/odroid/Downloads/quisk/freedvpkg/freedv.so
>> odroid@odroid:~/Downloads/quisk/freedvpkg$
>>
>>
>> On 05/04/2015 09:28 AM, jahlstr@... [n2adr-sdr] wrote:
>>> Â
>>>
>>> Hello,
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>>>
>>> You wrote:
>>> >>I think codec2 needs to be installed as a stand alone and all
>>> software which uses it should find the binaries and libs in the

>>> usual places in the standard install paths.
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>>> I agree, but there is no codec2 Ubuntu package to install. Â Unless
>>> the install is easy, I need to include a codec2.
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>>> I think if codec2 is installed in the usual place, Quisk will use it
>>> instead of my version, and everything will work. Â Otherwise you can
>>> delete freedvpkg/codec2 to make sure the local version is used.
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>>> N2ADR
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>

--
Mike KC7NOA

1420. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-06 08:57:33 UTC
From: Mario Illgen
Topic: 1400 Message: 1420

Hi Jean-Paul,

I'm following this conversation for some days.. As I've setup a new iMac with Yosemite some weeks ago I took some time to compile quisk again documenting the steps needed.. I have used quisk only with HiQSDR hardware and SDR-IQ so I don't know if it works with Softrock etc.. Hope I cover it all in this mail..

First you should have Xcode and the command line tools for Xcode.
I use MacPorts for most of the libraries so the following relates to MacPorts.

The following libraries you need:
- FTDI direct driver (ftd2xx) for OSX from:
http://www.ftdichip.com/Drivers/D2XX.htm
- X11 for OSX from: http://xquartz.macosforge.org
- OSX only supports portaudio:
$ sudo port install portaudio
- FFTW
$ sudo port install fftw-3
- Python 2.7
$ sudo port install python27
- select this python version
$ sudo port select --set python python27
- wxPython
$ sudo port install py27-wxpython-2.8

As Macports installs in /opt/local you need to set the environment accordingly:
$ export LDFLAGS='-L/opt/local/lib'
$ export CPPFLAGS='-I/opt/local/include'
and then:
$ make

There are some warnings but no errors.

Before using quisk you should edit you config file ~/.quisk_conf.py according to your hardware etc. Make sure you use PortAudio devices like so:
name_of_sound_play = "portaudio:Built-in Output"
microphone_name = "portaudio:Built-in Microph“

And then you should be able to start it:
$ python quisk.py

Hope this helps..

73 de Mario, DL3LSM

P.S. Maybe someone with access to the HiQSDR Wiki could put this there??

2015-05-06 6:43 GMT+02:00 Jean-Paul Louis louijp@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com>:

>
>
> Hi Jim,
> I was under the impression that ALSA is not supported on Mac OS X.
> I might be wrong as usual.
> I will check if ALSA is available, and report here.
>
> Thanks,
> Jean-Paul
> AC9GH
>
> > On May 5, 2015, at 10:13 PM, jahlstr@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
> >
> > The PortAudio and PulseAudio systems are optional. Did you compile Alsa
> successfully? If so, you have a working audio system. The file
> sound_directx.c has dummy versions of PortAudio and PulseAudio. You could
> copy this code into your own file, and just use Alsa for sound.
> >
> >
> > Jim
> > N2ADR
> >
> >
>
>
>

1421. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-06 09:29:22 UTC
From: Mario Illgen
Topic: 1400 Message: 1421

P.S. One thing I forgot in my post - you have to edit sound_portaudio.c to include a dummy replacement for "quisk_pa_sound_devices" inside/at the end the OSX part (__MACH__)

```
#if defined(__MACH__)

...

PyObject * quisk_pa_sound_devices(PyObject * self, PyObject * args)
{ // Return a list of PulseAudio device names [pycapt, pyplay]
PyObject * pylist, * pycapt, * pyplay;

if (!PyArg_ParseTuple (args, ""))
return NULL;
pylist = PyList_New(0); // list [pycapt, pyplay]
pycapt = PyList_New(0); // list of capture devices
pyplay = PyList_New(0); // list of play devices
PyList_Append(pylist, pycapt);
PyList_Append(pylist, pyplay);
return pylist;
}

#endif
```

2015-05-06 10:57 GMT+02:00 Mario Illgen <dl3lsm@...>:

```
> Hi Jean-Paul,
>
> I'm following this conversation for some days.. As I've setup a new iMac
> with Yosemite some weeks ago I took some time to compile quisk again
> documenting the steps needed.. I have used quisk only with HiQSDR hardware
> and SDR-IQ so I don't know if it works with Softrock etc.. Hope I cover it
> all in this mail..
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> First you should have Xcode and the command line tools for Xcode.
> I use MacPorts for most of the libraries so the following relates to
> MacPorts.
>
> The following libraries you need:
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> http://www.ftdichip.com/Drivers/D2XX.htm
> - X11 for OSX from: http://xquartz.macosforge.org
> - OSX only supports portaudio:
> $ sudo port install portaudio
> - FFTW
> $ sudo port install fftw-3
> - Python 2.7
```

> $ sudo port install python27
> - select this python version
> $ sudo port select --set python python27
> - wxPython
> $ sudo port install py27-wxpython-2.8
>
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> and then:
> $ make
>
> There are some warnings but no errors.
>
> Before using quisk you should edit you config file ~/.quisk_conf.py
> according to your hardware etc. Make sure you use PortAudio devices like so:
> name_of_sound_play = "portaudio:Built-in Output"
> microphone_name = "portaudio:Built-in Microph“
>
> And then you should be able to start it:
> $ python quisk.py
>
> Hope this helps..
>
> 73 de Mario, DL3LSM
>
> P.S. Maybe someone with access to the HiQSDR Wiki could put this there??
>
>
> 2015-05-06 6:43 GMT+02:00 Jean-Paul Louis louijp@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com>:
>
>>
>>
>> Hi Jim,
>> I was under the impression that ALSA is not supported on Mac OS X.
>> I might be wrong as usual.
>> I will check if ALSA is available, and report here.
>>
>> Thanks,
>> Jean-Paul
>> AC9GH
>>
>> > On May 5, 2015, at 10:13 PM, jahlstr@... [n2adr-sdr] <
>> n2adr-sdr@yahoogroups.com> wrote:
>> >
>> > The PortAudio and PulseAudio systems are optional. Did you compile Alsa
>> successfully? If so, you have a working audio system. The file
>> sound_directx.c has dummy versions of PortAudio and PulseAudio. You could

>> copy this code into your own file, and just use Alsa for sound.
>> >
>> >
>> > Jim
>> > N2ADR
>> >
>> >
>>
>>
>>
>
>

1422. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 12:21:28 UTC
From: jahlstr@...
Topic: 1369 Message: 1422

Hello Mike,

You must not put "from freedvpkg import freedv" in your config file. It is only a test that you type into a python terminal window to test your setup.

Jim
N2ADR

1423. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 15:29:42 UTC
From: Mike
Topic: 1369 Message: 1423

OK .. did you write the readme in freedvpkg folder?

i tried to follow it and this is the first error i got ...

```
odroid@odroid:~/Downloads/quisk/freedvpkg/codec2/build_linux$ cmake
-DCMAKE_BUILD_TYPE=Release -DUNITTEST=OFF ../
CMake Error: The source directory
"/home/odroid/Downloads/quisk/freedvpkg/codec2" does not appear to
contain CMakeLists.txt.
Specify --help for usage, or press the help button on the CMake GUI.
```

and codec2 did not contain a CmakeLists.txt file ....

i have an older D/L on another computer (intell) that does contain that file ... so i guess it got omitted recently.....

On 05/06/2015 05:21 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Mike,
>
>
> You must not put "from freedvpkg import freedv" in your config file.
> It is only a test that you type into a python terminal window to test
> your setup.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1424. Re: [n2adr-sdr] Port of Quisk to OS X

Yahoo group: n2adr-sdr
Date: 2015-05-06 15:44:38 UTC
From: Jean-Paul Louis
Topic: 1400 Message: 1424

Hi Mario,

Thank you for the information you just provided in the last two emails.
I am going to follow your procedure, and report results here.

Thanks again, and 73 de Jean-Paul
AC9GH

> On May 6, 2015, at 5:29 AM, Mario Illgen dl3lsm@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>
>
> P.S. One thing I forgot in my post - you have to edit sound_portaudio.c to include a
dummy replacement for "quisk_pa_sound_devices" inside/at the end the OSX part (__MACH__)
>
> #if defined(__MACH__)
>
> ...
>
> PyObject * quisk_pa_sound_devices(PyObject * self, PyObject * args)
> { // Return a list of PulseAudio device names [pycapt, pyplay]
> PyObject * pylist, * pycapt, * pyplay;
>
> if (!PyArg_ParseTuple (args, ""))
> return NULL;
> pylist = PyList_New(0); // list [pycapt, pyplay]
> pycapt = PyList_New(0); // list of capture devices
> pyplay = PyList_New(0); // list of play devices
> PyList_Append(pylist, pycapt);
> PyList_Append(pylist, pyplay);
> return pylist;
> }
>
> #endif
>
> 2015-05-06 10:57 GMT+02:00 Mario Illgen <dl3lsm@...>:
> Hi Jean-Paul,
>
> I'm following this conversation for some days.. As I've setup a new iMac with Yosemite
some weeks ago I took some time to compile quisk again documenting the steps needed.. I
have used quisk only with HiQSDR hardware and SDR-IQ so I don't know if it works with
Softrock etc.. Hope I cover it all in this mail..
>
> First you should have Xcode and the command line tools for Xcode.
> I use MacPorts for most of the libraries so the following relates to MacPorts.
>

> The following libraries you need:
> - FTDI direct driver (ftd2xx) for OSX from: http://www.ftdichip.com/Drivers/D2XX.htm
> - X11 for OSX from: http://xquartz.macosforge.org
> - OSX only supports portaudio:
> $ sudo port install portaudio
> - FFTW
> $ sudo port install fftw-3
> - Python 2.7
> $ sudo port install python27
> - select this python version
> $ sudo port select --set python python27
> - wxPython
> $ sudo port install py27-wxpython-2.8
>
> As Macports installs in /opt/local you need to set the environment accordingly:
> $ export LDFLAGS='-L/opt/local/lib'
> $ export CPPFLAGS='-I/opt/local/include'
> and then:
> $ make
>
> There are some warnings but no errors.
>
> Before using quisk you should edit you config file ~/.quisk_conf.py according to your hardware etc. Make sure you use PortAudio devices like so:
> name_of_sound_play = "portaudio:Built-in Output"
> microphone_name = "portaudio:Built-in Microph“
>
> And then you should be able to start it:
> $ python quisk.py
>
> Hope this helps..
>
> 73 de Mario, DL3LSM
>
> P.S. Maybe someone with access to the HiQSDR Wiki could put this there??
>
>
> 2015-05-06 6:43 GMT+02:00 Jean-Paul Louis louijp@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com>:
>
> Hi Jim,
> I was under the impression that ALSA is not supported on Mac OS X.
> I might be wrong as usual.
> I will check if ALSA is available, and report here.
>
> Thanks,
> Jean-Paul
> AC9GH
>
> > On May 5, 2015, at 10:13 PM, jahlstr@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> >
> > The PortAudio and PulseAudio systems are optional. Did you compile Alsa successfully? If so, you have a working audio system. The file sound_directx.c has dummy versions of PortAudio and PulseAudio. You could copy this code into your own file, and just use Alsa for sound.
> >
> >
> > Jim
> > N2ADR
> >
> >
>
>
>
>
>
>

1425. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 21:40:24 UTC
From: Sid Boyce
Topic: 1369 Message: 1425

Thanks Jim,
I removed that line and quisk comes up OK with FDV-U not greyed out.
73 ... Sid.

On 06/05/15 13:21, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Mike,
>
>
> You must not put "from freedvpkg import freedv" in your config file.
> It is only a test that you type into a python terminal window to test
> your setup.
>
> Jim
> N2ADR
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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1426. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-06 21:46:50 UTC
From: Mike
Topic: 1369 Message: 1426

Was that on an odroid or other system ?

On 05/06/2015 02:40 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Thanks Jim,
> I removed that line and quisk comes up OK with FDV-U not greyed out.
> 73 ... Sid.
>
> On 06/05/15 13:21, jahlstr@... [n2adr-sdr] wrote:
>>
>> Hello Mike,
>>
>>
>> You must not put "from freedvpkg import freedv" in your config file.
>> It is only a test that you type into a python terminal window to
>> test your setup.
>>
>> Jim
>> N2ADR
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

--
Mike KC7NOA

1427. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-07 00:33:11 UTC
From: Sid Boyce
Topic: 1369 Message: 1427

Hi Mike,
That's on n ODROID-U3.

AOK on Kubuntu 15.04 x86_64 and Ubuntu 14.04 on ODROID-U3.

On openSUSE the speex header problem for codec2-dev build I have been notified bug has been assigned, no other response so far.

On Ubuntu ARM 14.04 and Kubuntu 15.04 upgrades changed /etc/pulse/daemon.conf causing no audio on QtRadio, reason - pulseaudio was not being launched as a daemon.

Updated "Enable Pulseaudio Daemon to run in system wide mode" wiki section in
http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup.
73 ... Sid.

On 06/05/15 22:46, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Was that on an odroid or other system ?
>
> On 05/06/2015 02:40 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Thanks Jim,
>> I removed that line and quisk comes up OK with FDV-U not greyed out.
>> 73 ... Sid.
>>
>> On 06/05/15 13:21, jahlstr@... [n2adr-sdr] wrote:
>>>
>>> Hello Mike,
>>>
>>>
>>> You must not put "from freedvpkg import freedv" in your config file.
>>> It is only a test that you type into a python terminal window to
>>> test your setup.
>>>
>>> Jim
>>> N2ADR
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
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>
> --
> Mike KC7NOA
>

--
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1428. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-07 01:31:57 UTC
From: Mike
Topic: 1369 Message: 1428

ok .. then im missing something .. its not working yet on my odroid-X2
yet ..

On 05/06/2015 05:33 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Hi Mike,
> That's on n ODROID-U3.
>
> AOK on Kubuntu 15.04 x86_64 and Ubuntu 14.04 on ODROID-U3.
>
> On openSUSE the speex header problem for codec2-dev build I have been
> notified bug has been assigned, no other response so far.
>
> On Ubuntu ARM 14.04 and Kubuntu 15.04 upgrades changed
> /etc/pulse/daemon.conf causing no audio on QtRadio, reason -
> pulseaudio was not being launched as a daemon.
>
> Updated "Enable Pulseaudio Daemon to run in system wide mode" wiki
> section in
> http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup.
> 73 ... Sid.
>
> On 06/05/15 22:46, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Was that on an odroid or other system ?
>>
>> On 05/06/2015 02:40 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>
>>> Thanks Jim,
>>> I removed that line and quisk comes up OK with FDV-U not greyed out.
>>> 73 ... Sid.
>>>
>>> On 06/05/15 13:21, jahlstr@... [n2adr-sdr] wrote:
>>>>
>>>> Hello Mike,
>>>>
>>>>
>>>> You must not put "from freedvpkg import freedv" in your config
>>>> file. It is only a test that you type into a python terminal
>>>> window to test your setup.
>>>>
>>>> Jim
>>>> N2ADR
>>>

>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>>
>> --
>> Mike KC7NOA
>
>
> --
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>

--
Mike KC7NOA

1429. Re: [n2adr-sdr] Re: Quisk 3.6.22

Yahoo group: n2adr-sdr
Date: 2015-05-07 18:00:50 UTC
From: jahlstr@...
Topic: 1369 Message: 1429

You can not make a codec2 in freedvpkg/codec2 because I removed the codec2 source to make my distribution smaller. With the codec2 source, it is 10 times larger. Just download a codec2 and build there.

Jim
N2ADR

1430. Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-26 07:51:57 UTC
From: rn3kk@...
Topic: 1286 Message: 1430

Now I add functional to use QUISK SDR with ham log via CAT, but this only debug mode. Video https://youtu.be/zc9Ym-SokvM https://youtu.be/zc9Ym-SokvM demonstrate this.

1431. Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-26 09:29:51 UTC
From: dh5ym@...
Topic: 1286 Message: 1431

Pretty cool. Thank you very much !

Mario

1432. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-26 11:14:02 UTC
From: Sid Boyce
Topic: 1286 Message: 1432

I have hphiq built for Linux on x86_64 and ODROID-U3.
My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr
and openHPSDRJ.
73 ... Sid.

On 26/05/15 08:51, rn3kk@... [n2adr-sdr] wrote:
>
> Now I add functional to use QUISK SDR with ham log via CAT, but this
> only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.
>
>
>

--
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1433. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-26 11:39:10 UTC
From: Nick RN3KK
Topic: 1286 Message: 1433

Sid, that you wanted to say?

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Tuesday, May 26, 2015 2:14 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

I have hphiq built for Linux on x86_64 and ODROID-U3.
My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr and openHPSDRJ.
73 ... Sid.

On 26/05/15 08:51, rn3kk@yahoo.com [n2adr-sdr] wrote:

Now I add functional to use QUISK SDR with ham log via CAT, but this only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.

--
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1434. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-26 15:20:33 UTC
From: Sid Boyce
Topic: 1286 Message: 1434

What I didn't say was your work looks great.
What CAT device do you use and is it supported by hamlib?
73 ... Sid.

On 26/05/15 12:39, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>
> Sid, that you wanted to say?
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Tuesday, May 26, 2015 2:14 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
> I have hphiq built for Linux on x86_64 and ODROID-U3.
> My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr
> and openHPSDRJ.
> 73 ... Sid.
>
> On 26/05/15 08:51, rn3kk@... [n2adr-sdr] wrote:
>>
>> Now I add functional to use QUISK SDR with ham log via CAT, but this
>> only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1435. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-27 07:44:55 UTC
From: Nick RN3KK
Topic: 1286 Message: 1435

Hi Sid!
No, in Windows many hamlog connect to transceiver via com port(RS232). QUISK SDR it is transceiver. I'm insert small part of code into quisk.py and now I can connect our log software or other via com port to QUISK SDR. I connect QUISK SRD with UCXLog via virtual com port (com0com). If you create standalone transceiver based on QUISK software, there is an opportunity connect our PC with software to this. This is can be: hamlog, mixw, fldigi, or other software. In Russia, into hamradio sphere linux is not based system, but I can't find software for windows can support hamlib.

Nick RN3KK

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Tuesday, May 26, 2015 6:20 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

What I didn't say was your work looks great.
What CAT device do you use and is it supported by hamlib?
73 ... Sid.

On 26/05/15 12:39, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:

Sid, that you wanted to say?

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Tuesday, May 26, 2015 2:14 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

I have hphiq built for Linux on x86_64 and ODROID-U3.
My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr and openHPSDRJ.
73 ... Sid.

On 26/05/15 08:51, rn3kk@yahoo.com [n2adr-sdr] wrote:

Now I add functional to use QUISK SDR with ham log via CAT, but this only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.

--
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--
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1436. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-27 10:37:24 UTC
From: Sid Boyce
Topic: 1286 Message: 1436

Thanks Nick,
I'll have a look at quisk.py when your code is added, perhaps in 3.6.23?

On the hermes-lite google group it was asked for support of
Hermes-Lite/Hermes support in quisk and I am trying to figure out how to
do it with my limited python coding skills.

Hopefully someone will get around to porting PowerSDR to Linux using
mono. There are a few differences between mono and C♯ but AD0ES has
successfully converted fldigi as flradio to run under mono on Linux.

Interesting times.
73 ... Sid.

On 27/05/15 08:44, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>
> Hi Sid!
> No, in Windows many hamlog connect to transceiver via com port(RS232).
> QUISK SDR it is transceiver. I'm insert small part of code into
> quisk.py and now I can connect our log software or other via com port
> to QUISK SDR. I connect QUISK SRD with UCXLog via virtual com port
> (com0com). If you create standalone transceiver based on QUISK
> software, there is an opportunity connect our PC with software to
> this. This is can be: hamlog, mixw, fldigi, or other software. In
> Russia, into hamradio sphere linux is not based system, but I can't
> find software for windows can support hamlib.
> Nick RN3KK
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Tuesday, May 26, 2015 6:20 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
>
> What I didn't say was your work looks great.
> What CAT device do you use and is it supported by hamlib?
> 73 ... Sid.
>
> On 26/05/15 12:39, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>> Sid, that you wanted to say?
>> *From:* mailto:n2adr-sdr@yahoogroups.com
>> *Sent:* Tuesday, May 26, 2015 2:14 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
>> I have hphiq built for Linux on x86_64 and ODROID-U3.
>> My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr
>> and openHPSDRJ.
>> 73 ... Sid.

>>
>> On 26/05/15 08:51, rn3kk@... [n2adr-sdr] wrote:
>>>
>>> Now I add functional to use QUISK SDR with ham log via CAT, but this
>>> only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1437. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-27 13:09:33 UTC
From: Nick RN3KK
Topic: 1286 Message: 1437

C# on linux is bad idea. At work, we have not been able to ported a little C# code in Linux. I think, you can do it with the addition of support Hermes board!

>>I'll have a look at quisk.py when your code is added, perhaps in 3.6.23?
Where I can commit source change? You can create branch for me?

Nick RN3KK

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Wednesday, May 27, 2015 1:37 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Thanks Nick,
I'll have a look at quisk.py when your code is added, perhaps in 3.6.23?

On the hermes-lite google group it was asked for support of Hermes-Lite/Hermes support in quisk and I am trying to figure out how to do it with my limited python coding skills.

Hopefully someone will get around to porting PowerSDR to Linux using mono. There are a few differences between mono and C# but AD0ES has successfully converted fldigi as flradio to run under mono on Linux.

Interesting times.
73 ... Sid.

On 27/05/15 08:44, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:

Hi Sid!
No, in Windows many hamlog connect to transceiver via com port(RS232). QUISK SDR it is transceiver. I'm insert small part of code into quisk.py and now I can connect our log software or other via com port to QUISK SDR. I connect QUISK SRD with UCXLog via virtual com port (com0com). If you create standalone transceiver based on QUISK software, there is an opportunity connect our PC with software to this. This is can be: hamlog, mixw, fldigi, or other software. In Russia, into hamradio sphere linux is not based system, but I can't find software for windows can support hamlib.

Nick RN3KK

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Tuesday, May 26, 2015 6:20 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

What I didn't say was your work looks great.
What CAT device do you use and is it supported by hamlib?
73 ... Sid.

On 26/05/15 12:39, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:

Sid, that you wanted to say?

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Tuesday, May 26, 2015 2:14 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

I have hphiq built for Linux on x86_64 and ODROID-U3.
My next tests are to try it with HiQSDR with cudaSDR, g0orx.openhpsdr and openHPSDRJ.
73 ... Sid.

On 26/05/15 08:51, rn3kk@... [n2adr-sdr] wrote:

Now I add functional to use QUISK SDR with ham log via CAT, but this only debug mode. Video https://youtu.be/zc9Ym-SokvM demonstrate this.

--
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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1438. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-27 15:33:41 UTC
From: dh5ym@...
Topic: 1286 Message: 1438

Currently Jim is the only one who deals with the sources. I do not know a repository that is available in public. Maybe Jim is willing to host Quisk on Github or some similar plattform ?

regards
Mario

1439. Re: [n2adr-sdr] Re: Ham logger for Hiq SDR

Yahoo group: n2adr-sdr
Date: 2015-05-27 21:31:31 UTC
From: Sid Boyce
Topic: 1286 Message: 1439

AD0ES I think changed mono code to substitute code for .NET Winforms and
flradio compiled and runs.
http://ad0es.net/flprogs/ flrig and fldigi-3.22.05-sdr.1.0.8.tgz
<http://ad0es.net/flprogs/flradio/files/fldigi-3.22.05-sdr.1.0.8.tgz>
exploded to add files to fldigi-3.22.05.
Details in the file INSTALL-SDR.

Patches for quisk are usually sent to Jim jahlstr@....
73 ... Sid.

On 27/05/15 14:09, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>
> C# on linux is bad idea. At work, we have not been able to ported a
> little C# code in Linux. I think, you can do it with the addition of
> support Hermes board!
> >>I'll have a look at quisk.py when your code is added, perhaps in 3.6.23?
> Where I can commit source change? You can create branch for me?
> Nick RN3KK
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Wednesday, May 27, 2015 1:37 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
>
> Thanks Nick,
> I'll have a look at quisk.py when your code is added, perhaps in 3.6.23?
>
> On the hermes-lite google group it was asked for support of
> Hermes-Lite/Hermes support in quisk and I am trying to figure out how
> to do it with my limited python coding skills.
>
> Hopefully someone will get around to porting PowerSDR to Linux using
> mono. There are a few differences between mono and C# but AD0ES has
> successfully converted fldigi as flradio to run under mono on Linux.
>
> Interesting times.
> 73 ... Sid.
>
> On 27/05/15 08:44, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>> Hi Sid!
>> No, in Windows many hamlog connect to transceiver via com
>> port(RS232). QUISK SDR it is transceiver. I'm insert small part of
>> code into quisk.py and now I can connect our log software or other
>> via com port to QUISK SDR. I connect QUISK SRD with UCXLog via
>> virtual com port (com0com). If you create standalone transceiver
>> based on QUISK software, there is an opportunity connect our PC with

>> software to this. This is can be: hamlog, mixw, fldigi, or other
>> software. In Russia, into hamradio sphere linux is not based system,
>> but I can't find software for windows can support hamlib.
>> Nick RN3KK
>> *From:* mailto:n2adr-sdr@yahoogroups.com
>> *Sent:* Tuesday, May 26, 2015 6:20 PM
>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
>> What I didn't say was your work looks great.
>> What CAT device do you use and is it supported by hamlib?
>> 73 ... Sid.
>>
>> On 26/05/15 12:39, 'Nick RN3KK' rn3kk@... [n2adr-sdr] wrote:
>>> Sid, that you wanted to say?
>>> *From:* mailto:n2adr-sdr@yahoogroups.com
>>> *Sent:* Tuesday, May 26, 2015 2:14 PM
>>> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> *Subject:* Re: [n2adr-sdr] Re: Ham logger for Hiq SDR
>>> I have hphiq built for Linux on x86_64 and ODROID-U3.
>>> My next tests are to try it with HiQSDR with cudaSDR,
>>> g0orx.openhpsdr and openHPSDRJ.
>>> 73 ... Sid.
>>>
>>> On 26/05/15 08:51, rn3kk@... [n2adr-sdr] wrote:
>>>>
>>>> Now I add functional to use QUISK SDR with ham log via CAT, but
>>>> this only debug mode. Video https://youtu.be/zc9Ym-SokvM
>>>> demonstrate this.
>>>>
>>>
>>>
>>> --
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>>
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1440. quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-02 21:48:59 UTC
From: Mike
Topic: 1440 Message: 1440

any one using quisk Fldigi and Odroid (arm7) ..... ??

i tried the 2 lines of

```
digital_input_name = "hw:Loopback,0"
digital_output_name = digital_input_name
```

but quisk hangs for some reason .....

--
Mike KC7NOA

1441. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-02 22:12:07 UTC
From: Mike
Topic: 1440 Message: 1441

Jesh .. just found out why ...

for some reason the snd-aloop is not in the kernel ..... that is not
good .....

i dont know how to build a kernel ...

On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> any one using quisk Fldigi and Odroid (arm7) ..... ??
>
> i tried the 2 lines of
>
> digital_input_name = "hw:Loopback,0"
> digital_output_name = digital_input_name
>
> but quisk hangs for some reason .....
>
> --
> Mike KC7NOA
>
>

--
Mike KC7NOA

1442. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 11:05:29 UTC
From: Sid Boyce
Topic: 1440 Message: 1442

Somewhat involved and I don't have the same ODROID.

I can detail a process for building and installing a new kernel
"uname -a" ?
"df -h" to see how many GB of space you have if you don't have a USB HD.
The kernel source requires 2.5GB.

"ls -l /proc/config.gz" does it exist?

"sudo apt-get install kernel-package"

I am about to boot a ODROID-U3 kernel configured with Konsole output
CONFIG_SND_ALOOP=m

It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
Makefile so I don't lose the ability to go back to 3.8.13.30.

Konsole output
linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb

Konsole output
linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
73 ... Sid.

On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Jesh .. just found out why ...
>
> for some reason the snd-aloop is not in the kernel ..... that is not
> good .....
>
> i dont know how to build a kernel ...
>
> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>> ?
>>
>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>
>> i tried the 2 lines of
>>
>> digital_input_name = "hw:Loopback,0"
>> digital_output_name = digital_input_name
>>
>> but quisk hangs for some reason .....
>>
>> --
>> Mike KC7NOA

>>
>
> --
> Mike KC7NOA
>

--
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1443. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 12:00:30 UTC
From: Sid Boyce
Topic: 1440 Message: 1443

New kernel up and running.

Konsole output
```
root@odroidu3:~# modinfo snd-aloop
filename: /lib/modules/3.8.13.301/kernel/sound/drivers/snd-aloop.ko
license: GPL
description: A loopback soundcard
author: Jaroslav Kysela <perex@...>
depends:
intree: Y
vermagic: 3.8.13.301 SMP preempt mod_unload ARMv7 p2v8
parm: index:Index value for loopback soundcard. (array of int)
parm: id:ID string for loopback soundcard. (array of charp)
parm: enable:Enable this loopback soundcard. (array of bool)
parm: pcm_substreams:PCM substreams # (1-8) for loopback
driver. (array of int)
parm: pcm_notify:Break capture when PCM format/rate/channels
changes. (array of int)
root@odroidu3:~#
```
73 ... Sid.

On 03/06/15 12:05, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Somewhat involved and I don't have the same ODROID.
>
> I can detail a process for building and installing a new kernel
> "uname -a" ?
> "df -h" to see how many GB of space you have if you don't have a USB
> HD. The kernel source requires 2.5GB.
>
> "ls -l /proc/config.gz" does it exist?
>
> "sudo apt-get install kernel-package"
>
> I am about to boot a ODROID-U3 kernel configured with Konsole output
> CONFIG_SND_ALOOP=m
>
> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
> Makefile so I don't lose the ability to go back to 3.8.13.30.
>
> Konsole output
> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>
> Konsole output
> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb

> 73 ... Sid.
>
> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Jesh .. just found out why ...
>>
>> for some reason the snd-aloop is not in the kernel ..... that is not
>> good .....
>>
>> i dont know how to build a kernel ...
>>
>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>> ?
>>>
>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>
>>> i tried the 2 lines of
>>>
>>> digital_input_name = "hw:Loopback,0"
>>> digital_output_name = digital_input_name
>>>
>>> but quisk hangs for some reason .....
>>>
>>> --
>>> Mike KC7NOA
>>>
>>
>> --
>> Mike KC7NOA
>
>
> --
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1444. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 12:35:23 UTC
From: Sid Boyce
Topic: 1440 Message: 1444

New kernel up and running.

Konsole output
root@odroidu3:~# modinfo snd-aloop
filename: /lib/modules/3.8.13.301/kernel/sound/drivers/snd-aloop.ko
license: GPL
description: A loopback soundcard
author: Jaroslav Kysela <perex@...>
depends:
intree: Y
vermagic: 3.8.13.301 SMP preempt mod_unload ARMv7 p2v8
parm: index:Index value for loopback soundcard. (array of int)
parm: id:ID string for loopback soundcard. (array of charp)
parm: enable:Enable this loopback soundcard. (array of bool)
parm: pcm_substreams:PCM substreams # (1-8) for loopback
driver. (array of int)
parm: pcm_notify:Break capture when PCM format/rate/channels
changes. (array of int)
root@odroidu3:~#

Konsole output
root@odroidu3:~# modprobe snd-aloop
root@odroidu3:~# cat /proc/asound/cards
0 [Audio]: Built-in_Audio - Built-in Audio
Built-in Audio
1 [Device]: USB-Audio - USB Sound Device
USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
2 [Loopback]: Loopback - Loopback
Loopback 1
73 ... Sid.

On 03/06/15 12:05, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Somewhat involved and I don't have the same ODROID.
>
> I can detail a process for building and installing a new kernel
> "uname -a" ?
> "df -h" to see how many GB of space you have if you don't have a USB
> HD. The kernel source requires 2.5GB.
>
> "ls -l /proc/config.gz" does it exist?
>
> "sudo apt-get install kernel-package"
>
> I am about to boot a ODROID-U3 kernel configured with Konsole output
> CONFIG_SND_ALOOP=m

>
> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
> Makefile so I don't lose the ability to go back to 3.8.13.30.
>
> Konsole output
> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>
> Konsole output
> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
> 73 ... Sid.
>
> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Jesh .. just found out why ...
>>
>> for some reason the snd-aloop is not in the kernel ..... that is not
>> good .....
>>
>> i dont know how to build a kernel ...
>>
>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Â
>>>
>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>
>>> i tried the 2 lines of
>>>
>>> digital_input_name = "hw:Loopback,0"
>>> digital_output_name = digital_input_name
>>>
>>> but quisk hangs for some reason .....
>>>
>>> --
>>> Mike KC7NOA
>>>
>>
>> --
>> Mike KC7NOA
>
>
> --
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1445. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 16:26:42 UTC
From: Mike
Topic: 1440 Message: 1445

```
odroid@odroid:~$ uname -a
Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015 armv7l
armv7l armv7l GNU/Linux
odroid@odroid:~$

odroid@odroid:~$ df -h
Filesystem Size Used Avail Use% Mounted on
/dev/mmcblk0p2 30G 22G 6.7G 77% /
none 4.0K 0 4.0K 0% /sys/fs/cgroup
udev 883M 4.0K 883M 1% /dev
tmpfs 1012M 4.0K 1012M 1% /tmp
tmpfs 203M 3.0M 200M 2% /run
none 5.0M 0 5.0M 0% /run/lock
none 1012M 72K 1012M 1% /run/shm
none 100M 28K 100M 1% /run/user
/dev/mmcblk0p1 129M 14M 116M 11% /boot
odroid@odroid:~$

odroid@odroid:~$ ls -l /proc/config.gz
-r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
odroid@odroid:~$

I would like to build my kernel as the same ..... but for X2, ....

On 06/03/2015 04:05 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Somewhat involved and I don't have the same ODROID.
>
> I can detail a process for building and installing a new kernel
> "uname -a" ?
> "df -h" to see how many GB of space you have if you don't have a USB
> HD. The kernel source requires 2.5GB.
>
> "ls -l /proc/config.gz" does it exist?
>
> "sudo apt-get install kernel-package"
>
> I am about to boot a ODROID-U3 kernel configured with Konsole output
> CONFIG_SND_ALOOP=m
>
> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
> Makefile so I don't lose the ability to go back to 3.8.13.30.
>
> Konsole output
> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>
```

> Konsole output
> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
> 73 ... Sid.
>
> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Jesh .. just found out why ...
>>
>> for some reason the snd-aloop is not in the kernel ..... that is not
>> good .....
>>
>> i dont know how to build a kernel ...
>>
>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Â
>>>
>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>
>>> i tried the 2 lines of
>>>
>>> digital_input_name = "hw:Loopback,0"
>>> digital_output_name = digital_input_name
>>>
>>> but quisk hangs for some reason .....
>>>
>>> --
>>> Mike KC7NOA
>>>
>>
>> --
>> Mike KC7NOA
>
>
> --
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>

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Mike KC7NOA

1446. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 16:29:07 UTC
From: Mike
Topic: 1440 Message: 1446

Real glad it works ....

have you tried quisk and fldigi to see if the loopback does not cause
any issues ?

On 06/03/2015 05:35 AM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] wrote:
>
> New kernel up and running.
>
> Konsole output
> root@odroidu3:~# modinfo snd-aloop
> filename: /lib/modules/3.8.13.301/kernel/sound/drivers/snd-aloop.ko
> license: GPL
> description: A loopback soundcard
> author: Jaroslav Kysela <perex@...>
> depends:
> intree: Y
> vermagic: 3.8.13.301 SMP preempt mod_unload ARMv7 p2v8
> parm: index:Index value for loopback soundcard. (array of int)
> parm: id:ID string for loopback soundcard. (array of charp)
> parm: enable:Enable this loopback soundcard. (array of bool)
> parm: pcm_substreams:PCM substreams # (1-8) for loopback
> driver. (array of int)
> parm: pcm_notify:Break capture when PCM format/rate/channels
> changes. (array of int)
> root@odroidu3:~#
>
> Konsole output
> root@odroidu3:~# modprobe snd-aloop
> root@odroidu3:~# cat /proc/asound/cards
> 0 [Audio]: Built-in_Audio - Built-in Audio
> Built-in Audio
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
> 2 [Loopback]: Loopback - Loopback
> Loopback 1
> 73 ... Sid.
>
> On 03/06/15 12:05, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>
>> Somewhat involved and I don't have the same ODROID.
>>
>> I can detail a process for building and installing a new kernel
>> "uname -a" ?
>> "df -h" to see how many GB of space you have if you don't have a USB

>> HD. The kernel source requires 2.5GB.
>>
>> "ls -l /proc/config.gz" does it exist?
>>
>> "sudo apt-get install kernel-package"
>>
>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>> CONFIG_SND_ALOOP=m
>>
>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>
>> Konsole output
>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>
>> Konsole output
>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>> 73 ... Sid.
>>
>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> Jesh .. just found out why ...
>>>
>>> for some reason the snd-aloop is not in the kernel ..... that is not
>>> good .....
>>>
>>> i dont know how to build a kernel ...
>>>
>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> Â
>>>>
>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>
>>>> i tried the 2 lines of
>>>>
>>>> digital_input_name = "hw:Loopback,0"
>>>> digital_output_name = digital_input_name
>>>>
>>>> but quisk hangs for some reason .....
>>>>
>>>> --
>>>> Mike KC7NOA
>>>>
>>>
>>> --
>>> Mike KC7NOA
>>
>>
>> --
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>

--
Mike KC7NOA

1447. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 17:30:20 UTC
From: Sid Boyce
Topic: 1440 Message: 1447

AOK,
All set to go.
I'll send you a set of instructions later.
73 ... Sid.

On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>
> odroid@odroid:~$ uname -a
> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
> armv7l armv7l armv7l GNU/Linux
> odroid@odroid:~$
>
>
>
> odroid@odroid:~$ df -h
> Filesystem Size Used Avail Use% Mounted on
> /dev/mmcblk0p2 30G 22G 6.7G 77% /
> none 4.0K 0 4.0K 0% /sys/fs/cgroup
> udev 883M 4.0K 883M 1% /dev
> tmpfs 1012M 4.0K 1012M 1% /tmp
> tmpfs 203M 3.0M 200M 2% /run
> none 5.0M 0 5.0M 0% /run/lock
> none 1012M 72K 1012M 1% /run/shm
> none 100M 28K 100M 1% /run/user
> /dev/mmcblk0p1 129M 14M 116M 11% /boot
> odroid@odroid:~$
>
>
>
> odroid@odroid:~$ ls -l /proc/config.gz
> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
> odroid@odroid:~$
>
>
> I would like to build my kernel as the same ..... but for X2, ...
>
>
> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Somewhat involved and I don't have the same ODROID.
>>
>> I can detail a process for building and installing a new kernel
>> "uname -a" ?
>> "df -h" to see how many GB of space you have if you don't have a USB

>> HD. The kernel source requires 2.5GB.
>>
>> "ls -l /proc/config.gz" does it exist?
>>
>> "sudo apt-get install kernel-package"
>>
>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>> CONFIG_SND_ALOOP=m
>>
>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>
>> Konsole output
>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>
>> Konsole output
>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>> 73 ... Sid.
>>
>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> Jesh .. just found out why ...
>>>
>>> for some reason the snd-aloop is not in the kernel ..... that is not
>>> good .....
>>>
>>> i dont know how to build a kernel ...
>>>
>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> ?
>>>>
>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>
>>>> i tried the 2 lines of
>>>>
>>>> digital_input_name = "hw:Loopback,0"
>>>> digital_output_name = digital_input_name
>>>>
>>>> but quisk hangs for some reason .....
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>>>> --
>>>> Mike KC7NOA
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>>> Mike KC7NOA
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>>
>> --
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> Mike KC7NOA
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1448. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 17:42:33 UTC
From: Sid Boyce
Topic: 1440 Message: 1448

I haven't but I see no reason why it shouldn't be OK.

I have the HiQSDR running standalone using a Raspberry Pi model B and 7" touchscreen so I'll reconfigure it to run quisk from the ODROID-U3 and test.
73 ... Sid.

On 03/06/15 17:29, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Real glad it works ....
>
> have you tried quisk and fldigi to see if the loopback does not cause
> any issues ?
>
> On 06/03/2015 05:35 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>> ?
>>
>> New kernel up and running.
>>
>> Konsole output
>> root@odroidu3:~# modinfo snd-aloop
>> filename:
>> ? ? ? ? ? ? /lib/modules/3.8.13.301/kernel/sound/drivers/snd-aloop.ko
>> license: ? ? ? ? ? ? ? GPL
>> description: ? ? ? A loopback soundcard
>> author: ? ? ? ? ? ? ? ? Jaroslav Kysela <perex@...>
>> depends: ? ? ? ? ? ? ? ?
>> intree: ? ? ? ? ? ? ? ? Y
>> vermagic: ? ? ? ? ? ? 3.8.13.301 SMP preempt mod_unload ARMv7 p2v8 ?
>> parm: ? ? ? ? ? ? ? ? ? ? index:Index value for loopback soundcard.
>> (array of int)
>> parm: ? ? ? ? ? ? ? ? ? ? id:ID string for loopback soundcard. (array
>> of charp)
>> parm: ? ? ? ? ? ? ? ? ? ? enable:Enable this loopback soundcard.
>> (array of bool)
>> parm: ? ? ? ? ? ? ? ? ? pcm_substreams:PCM substreams # (1-8) for
>> loopback driver. (array of int)
>> parm: ? ? ? ? ? ? ? ? ? pcm_notify:Break capture when PCM
>> format/rate/channels changes. (array of int)
>> root@odroidu3:~#
>>
>> Konsole output
>> root@odroidu3:~# modprobe snd-aloop
>> root@odroidu3:~# cat /proc/asound/cards
>> 0 [Audio ? ? ? ? ? ? ? ?]: Built-in_Audio - Built-in Audio

>> ? Built-in Audio
>> 1 [Device ? ? ? ? ? ? ?]: USB-Audio - USB Sound Device
>> ? USB Sound Device at
>> usb-s5p-ehci-3.2.4.4, full speed
>> 2 [Loopback ? ? ? ? ? ?]: Loopback - Loopback
>> ? Loopback 1
>> 73 ... Sid.
>>
>> On 03/06/15 12:05, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> ?
>>>
>>> Somewhat involved and I don't have the same ODROID.
>>>
>>> I can detail a process for building and installing a new kernel
>>> "uname -a" ?
>>> "df -h" to see how many GB of space you have if you don't have a USB
>>> HD. The kernel source requires 2.5GB.
>>>
>>> "ls -l /proc/config.gz" does it exist?
>>>
>>> "sudo apt-get install kernel-package"
>>>
>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>> CONFIG_SND_ALOOP=m
>>>
>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>
>>> Konsole output
>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>
>>> Konsole output
>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>> 73 ... Sid.
>>>
>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> ?
>>>>
>>>> Jesh .. just found out why ...
>>>>
>>>> for some reason the snd-aloop is not in the kernel ..... that is
>>>> not good .....
>>>>
>>>> i dont know how to build a kernel ...
>>>>
>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> Â?
>>>>>
>>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>>

>>>>> i tried the 2 lines of
>>>>>
>>>>> digital_input_name = "hw:Loopback,0"
>>>>> digital_output_name = digital_input_name
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>>>>> but quisk hangs for some reason .....
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> Mike KC7NOA
>

--
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1449. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 20:24:01 UTC
From: Sid Boyce
Topic: 1440 Message: 1449

```
Konsole output
git clone --depth 1 git://github.com/hardkernel/linux.git -b odroid-3.8.y

mv linux linux-3.8.13.301
cd linux-3.8.13.301
edit Makefile and change EXTRAVERSION = .30 to .301

Konsole output
VERSION = 3
PATCHLEVEL = 8
SUBLEVEL = 13
EXTRAVERSION = .301

cp /proc/config.gz .
gzip -d config.gz
mv config .config

edit .config and change the line
# CONFIG_SND_ALOOP is not set
to
CONFIG_SND_ALOOP=m

make oldconfig

make-kpkg -j 4 --initrd linux_headers linux_image

When it's all done, the 2 .deb packages are built
cp arch/arm/boot/zImage /media/boot/zImage-3.8.13.301

dpkg -i ../linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
../linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb

Konsole output
mkimage-A arm -T ramdisk -C none -n "uInitrd" -d
/boot/initrd.img-3.8.13.301 /media/boot/uInitrd-3.8.13.301

Backup 3.8.13.30 files. If not root use sudo.
-------------------------------------------------------
cd /media/boot
cp zImage zImage-3.8.13.30
cp uInitrd uInitrd-3.8.13.30

cp zImage-3.8.13.301 zImage
cp uInitrd-3.8.13.301 uInitrd

sync;sync
```

reboot and you are up and running on the new -X2 kernel.
Konsole output
uname -r
3.8.13.301

modprobe snd-aloop
Loopback should show as an additional sound card.
Konsole output

cat /proc/asound/cards

Konsole output
2 [Loopback]: Loopback - Loopback
Loopback 1
73 ... Sid.

On 03/06/15 18:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> AOK,
> All set to go.
> I'll send you a set of instructions later.
> 73 ... Sid.
>
> On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> odroid@odroid:~$ uname -a
>> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
>> armv7l armv7l armv7l GNU/Linux
>> odroid@odroid:~$
>>
>>
>>
>> odroid@odroid:~$ df -h
>> Filesystem Size Used Avail Use% Mounted on
>> /dev/mmcblk0p2 30G 22G 6.7G 77% /
>> none 4.0K 0 4.0K 0% /sys/fs/cgroup
>> udev 883M 4.0K 883M 1% /dev
>> tmpfs 1012M 4.0K 1012M 1% /tmp
>> tmpfs 203M 3.0M 200M 2% /run
>> none 5.0M 0 5.0M 0% /run/lock
>> none 1012M 72K 1012M 1% /run/shm
>> none 100M 28K 100M 1% /run/user
>> /dev/mmcblk0p1 129M 14M 116M 11% /boot
>> odroid@odroid:~$
>>
>>
>>
>> odroid@odroid:~$ ls -l /proc/config.gz
>> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
>> odroid@odroid:~$
>>
>>

>> I would like to build my kernel as the same ..... but for X2, ...
>>
>>
>> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>
>>> Somewhat involved and I don't have the same ODROID.
>>>
>>> I can detail a process for building and installing a new kernel
>>> "uname -a" ?
>>> "df -h" to see how many GB of space you have if you don't have a USB
>>> HD. The kernel source requires 2.5GB.
>>>
>>> "ls -l /proc/config.gz" does it exist?
>>>
>>> "sudo apt-get install kernel-package"
>>>
>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>> CONFIG_SND_ALOOP=m
>>>
>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>
>>> Konsole output
>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>
>>> Konsole output
>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>> 73 ... Sid.
>>>
>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> Jesh .. just found out why ...
>>>>
>>>> for some reason the snd-aloop is not in the kernel ..... that is
>>>> not good .....
>>>>
>>>> i dont know how to build a kernel ...
>>>>
>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>> ?
>>>>>>
>>>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>>>
>>>>>> i tried the 2 lines of
>>>>>>
>>>>>> digital_input_name = "hw:Loopback,0"
>>>>>> digital_output_name = digital_input_name
>>>>>>
>>>>>> but quisk hangs for some reason .....

>>>>>
>>>>> --
>>>>> Mike KC7NOA
>>>>>
>>>>
>>>> --
>>>> Mike KC7NOA
>>>
>>>
>>> --
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1450. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 20:42:34 UTC
From: Mike
Topic: 1440 Message: 1450

after

cp /proc/config.gz .

should i

cd /proc/ ?

On 06/03/2015 01:24 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Konsole output
> git clone --depth 1 git://github.com/hardkernel/linux.git -b odroid-3.8.y
>
> mv linux linux-3.8.13.301
> cd linux-3.8.13.301
> edit Makefile and change EXTRAVERSION = .30 to .301
>
> Konsole output
> VERSION = 3
> PATCHLEVEL = 8
> SUBLEVEL = 13
> EXTRAVERSION = .301
>
> cp /proc/config.gz .
> gzip -d config.gz
> mv config .config
>
> edit .config and change the line
> # CONFIG_SND_ALOOP is not set
> to
> CONFIG_SND_ALOOP=m
>
> make oldconfig
>
> make-kpkg -j 4 --initrd linux_headers linux_image
>
> When it's all done, the 2 .deb packages are built
> cp arch/arm/boot/zImage /media/boot/zImage-3.8.13.301
>
> dpkg -i ../linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
> ../linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>
> Konsole output
> mkimage-A arm -T ramdisk -C none -n "uInitrd" -d
> /boot/initrd.img-3.8.13.301 /media/boot/uInitrd-3.8.13.301
>

> Backup 3.8.13.30 files. If not root use sudo.
> --
> cd /media/boot
> cp zImage zImage-3.8.13.30
> cp uInitrd uInitrd-3.8.13.30
>
> cp zImage-3.8.13.301 zImage
> cp uInitrd-3.8.13.301 uInitrd
>
> sync;sync
>
> reboot and you are up and running on the new -X2 kernel.
> Konsole output
> # uname -r
> 3.8.13.301
>
> modprobe snd-aloop
> Loopback should show as an additional sound card.
> Konsole output
>
> cat /proc/asound/cards
>
> Konsole output
> 2 [Loopback]: Loopback - Loopback
> Loopback 1
> 73 ... Sid.
>
> On 03/06/15 18:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>
>> AOK,
>> All set to go.
>> I'll send you a set of instructions later.
>> 73 ... Sid.
>>
>> On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> odroid@odroid:~$ uname -a
>>> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
>>> armv7l armv7l armv7l GNU/Linux
>>> odroid@odroid:~$
>>>
>>>
>>>
>>> odroid@odroid:~$ df -h
>>> Filesystem Size Used Avail Use% Mounted on
>>> /dev/mmcblk0p2 30G 22G 6.7G 77% /
>>> none 4.0K 0 4.0K 0% /sys/fs/cgroup
>>> udev 883M 4.0K 883M 1% /dev
>>> tmpfs 1012M 4.0K 1012M 1% /tmp
>>> tmpfs 203M 3.0M 200M 2% /run

>>> none 5.0M 0 5.0M 0% /run/lock
>>> none 1012M 72K 1012M 1% /run/shm
>>> none 100M 28K 100M 1% /run/user
>>> /dev/mmcblk0p1 129M 14M 116M 11% /boot
>>> odroid@odroid:~$
>>>
>>>
>>>
>>> odroid@odroid:~$ ls -l /proc/config.gz
>>> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
>>> odroid@odroid:~$
>>>
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>>> I would like to build my kernel as the same ..... but for X2, ...
>>>
>>>
>>> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
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>>>> Somewhat involved and I don't have the same ODROID.
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>>>> I can detail a process for building and installing a new kernel
>>>> "uname -a" ?
>>>> "df -h" to see how many GB of space you have if you don't have a
>>>> USB HD. The kernel source requires 2.5GB.
>>>>
>>>> "ls -l /proc/config.gz" does it exist?
>>>>
>>>> "sudo apt-get install kernel-package"
>>>>
>>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>>> CONFIG_SND_ALOOP=m
>>>>
>>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>>
>>>> Konsole output
>>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>
>>>> Konsole output
>>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>> 73 ... Sid.
>>>>
>>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>
>>>>> Jesh .. just found out why ...
>>>>>
>>>>> for some reason the snd-aloop is not in the kernel ..... that is
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>>>>> i dont know how to build a kernel ...
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>>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
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>>>>>> digital_input_name = "hw:Loopback,0"
>>>>>> digital_output_name = digital_input_name
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>

--
Mike KC7NOA

1451. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 20:45:51 UTC
From: Mike
Topic: 1440 Message: 1451

sorry .. never mind ...

On 06/03/2015 01:42 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> after
>
> cp /proc/config.gz .
>
> should i
>
> cd /proc/ ?
>
> On 06/03/2015 01:24 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Konsole output
>> git clone --depth 1 git://github.com/hardkernel/linux.git -b odroid-3.8.y
>>
>> mv linux linux-3.8.13.301
>> cd linux-3.8.13.301
>> edit Makefile and change EXTRAVERSION = .30 to .301
>>
>> Konsole output
>> VERSION = 3
>> PATCHLEVEL = 8
>> SUBLEVEL = 13
>> EXTRAVERSION = .301
>>
>> cp /proc/config.gz .
>> gzip -d config.gz
>> mv config .config
>>
>> edit .config and change the line
>> # CONFIG_SND_ALOOP is not set
>> to
>> CONFIG_SND_ALOOP=m
>>
>> make oldconfig
>>
>> make-kpkg -j 4 --initrd linux_headers linux_image
>>
>> When it's all done, the 2 .deb packages are built
>> cp arch/arm/boot/zImage /media/boot/zImage-3.8.13.301
>>
>> dpkg -i ../linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb

```
>> ../linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>
>> Konsole output
>> mkimage-A arm -T ramdisk -C none -n "uInitrd" -d
>> /boot/initrd.img-3.8.13.301 /media/boot/uInitrd-3.8.13.301
>>
>> Backup 3.8.13.30 files. If not root use sudo.
>> ------------------------------------------------------
>> cd /media/boot
>> cp zImage zImage-3.8.13.30
>> cp uInitrd uInitrd-3.8.13.30
>>
>> cp zImage-3.8.13.301 zImage
>> cp uInitrd-3.8.13.301 uInitrd
>>
>> sync;sync
>>
>> reboot and you are up and running on the new -X2 kernel.
>> Konsole output
>> # uname -r
>> 3.8.13.301
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>> modprobe snd-aloop
>> Loopback should show as an additional sound card.
>> Konsole output
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>> cat /proc/asound/cards
>>
>> Konsole output
>> 2 [Loopback ]: Loopback - Loopback
>> Loopback 1
>> 73 ... Sid.
>>
>> On 03/06/15 18:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>
>>> AOK,
>>> All set to go.
>>> I'll send you a set of instructions later.
>>> 73 ... Sid.
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>>> On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> odroid@odroid:~$ uname -a
>>>> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
>>>> armv7l armv7l armv7l GNU/Linux
>>>> odroid@odroid:~$
>>>>
>>>>
>>>>
>>>> odroid@odroid:~$ df -h
```

>>>> Filesystem Size Used Avail Use% Mounted on
>>>> /dev/mmcblk0p2 30G 22G 6.7G 77% /
>>>> none 4.0K 0 4.0K 0% /sys/fs/cgroup
>>>> udev 883M 4.0K 883M 1% /dev
>>>> tmpfs 1012M 4.0K 1012M 1% /tmp
>>>> tmpfs 203M 3.0M 200M 2% /run
>>>> none 5.0M 0 5.0M 0% /run/lock
>>>> none 1012M 72K 1012M 1% /run/shm
>>>> none 100M 28K 100M 1% /run/user
>>>> /dev/mmcblk0p1 129M 14M 116M 11% /boot
>>>> odroid@odroid:~$
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>>>>
>>>>
>>>> odroid@odroid:~$ ls -l /proc/config.gz
>>>> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
>>>> odroid@odroid:~$
>>>>
>>>>
>>>> I would like to build my kernel as the same ..... but for X2, ...
>>>>
>>>>
>>>> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@blueyonder.co.uk
>>>> [n2adr-sdr] wrote:
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>>>>> Somewhat involved and I don't have the same ODROID.
>>>>>
>>>>> I can detail a process for building and installing a new kernel
>>>>> "uname -a" ?
>>>>> "df -h" to see how many GB of space you have if you don't have a
>>>>> USB HD. The kernel source requires 2.5GB.
>>>>>
>>>>> "ls -l /proc/config.gz" does it exist?
>>>>>
>>>>> "sudo apt-get install kernel-package"
>>>>>
>>>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>>>> CONFIG_SND_ALOOP=m
>>>>>
>>>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the
>>>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>>>
>>>>> Konsole output
>>>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>>
>>>>> Konsole output
>>>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>> 73 ... Sid.
>>>>>
>>>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:

>>>>>>
>>>>>> Jesh .. just found out why ...
>>>>>>
>>>>>> for some reason the snd-aloop is not in the kernel ..... that is
>>>>>> not good .....
>>>>>>
>>>>>> i dont know how to build a kernel ...
>>>>>>
>>>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>> Â
>>>>>>>
>>>>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>>>>
>>>>>>> i tried the 2 lines of
>>>>>>>
>>>>>>> digital_input_name = "hw:Loopback,0"
>>>>>>> digital_output_name = digital_input_name
>>>>>>>
>>>>>>> but quisk hangs for some reason .....
>>>>>>>
>>>>>>> --
>>>>>>> Mike KC7NOA
>>>>>>>
>>>>>>
>>>>>> --
>>>>>> Mike KC7NOA
>>>>>
>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>> Senior Staff Specialist, Cricket Coach
>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1452. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 21:06:58 UTC
From: Sid Boyce
Topic: 1440 Message: 1452

No,
you are just copying /proc/config.gz to the current directory
linux-3.8.13.301
"gzip -d config .gz" results in the file config which you then rename
.config.

That ensures the kernel config is the same as used with the running
3.8.13.30 kernel.
Then you edit .config and change the line to CONFIG_SND_ALOOP=m so it's
built as a module
73 ... Sid.

On 03/06/15 21:42, Mike Patriot121@... [n2adr-sdr] wrote:
>
> after
>
> cp /proc/config.gz .
>
> should i
>
> cd /proc/ ?
>
> On 06/03/2015 01:24 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Konsole output
>> git clone --depth 1 git://github.com/hardkernel/linux.git -b odroid-3.8.y
>>
>> mv linux linux-3.8.13.301
>> cd linux-3.8.13.301
>> edit Makefile and change EXTRAVERSION = .30 to .301
>>
>> Konsole output
>> VERSION = 3
>> PATCHLEVEL = 8
>> SUBLEVEL = 13
>> EXTRAVERSION = .301
>>
>> cp /proc/config.gz .
>> gzip -d config.gz
>> mv config .config
>>
>> edit .config and change the line
>> # CONFIG_SND_ALOOP is not set
>> to

>> CONFIG_SND_ALOOP=m
>>
>> make oldconfig
>>
>> make-kpkg -j 4 --initrd linux_headers linux_image
>>
>> When it's all done, the 2 .deb packages are built
>> cp arch/arm/boot/zImage /media/boot/zImage-3.8.13.301
>>
>> dpkg -i ../linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>> ../linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>
>> Konsole output
>> mkimage-A arm -T ramdisk -C none -n "uInitrd" -d
>> /boot/initrd.img-3.8.13.301 /media/boot/uInitrd-3.8.13.301
>>
>> Backup 3.8.13.30 files. If not root use sudo.
>> --
>> cd /media/boot
>> cp zImage zImage-3.8.13.30
>> cp uInitrd uInitrd-3.8.13.30
>>
>> cp zImage-3.8.13.301 zImage
>> cp uInitrd-3.8.13.301 uInitrd
>>
>> sync;sync
>>
>> reboot and you are up and running on the new -X2 kernel.
>> Konsole output
>> # uname -r
>> 3.8.13.301
>>
>> modprobe snd-aloop
>> Loopback should show as an additional sound card.
>> Konsole output
>>
>> cat /proc/asound/cards
>>
>> Konsole output
>> 2 [Loopback]: Loopback - Loopback
>> Loopback 1
>> 73 ... Sid.
>>
>> On 03/06/15 18:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>
>>> AOK,
>>> All set to go.
>>> I'll send you a set of instructions later.
>>> 73 ... Sid.
>>>

>>> On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> odroid@odroid:~$ uname -a
>>>> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
>>>> armv7l armv7l armv7l GNU/Linux
>>>> odroid@odroid:~$
>>>>
>>>>
>>>>
>>>> odroid@odroid:~$ df -h
>>>> Filesystem Size Used Avail Use% Mounted on
>>>> /dev/mmcblk0p2 30G 22G 6.7G 77% /
>>>> none 4.0K 0 4.0K 0% /sys/fs/cgroup
>>>> udev 883M 4.0K 883M 1% /dev
>>>> tmpfs 1012M 4.0K 1012M 1% /tmp
>>>> tmpfs 203M 3.0M 200M 2% /run
>>>> none 5.0M 0 5.0M 0% /run/lock
>>>> none 1012M 72K 1012M 1% /run/shm
>>>> none 100M 28K 100M 1% /run/user
>>>> /dev/mmcblk0p1 129M 14M 116M 11% /boot
>>>> odroid@odroid:~$
>>>>
>>>>
>>>>
>>>> odroid@odroid:~$ ls -l /proc/config.gz
>>>> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
>>>> odroid@odroid:~$
>>>>
>>>>
>>>> I would like to build my kernel as the same ..... but for X2, ...
>>>>
>>>>
>>>> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@...
>>>> [n2adr-sdr] wrote:
>>>>>
>>>>> Somewhat involved and I don't have the same ODROID.
>>>>>
>>>>> I can detail a process for building and installing a new kernel
>>>>> "uname -a" ?
>>>>> "df -h" to see how many GB of space you have if you don't have a
>>>>> USB HD. The kernel source requires 2.5GB.
>>>>>
>>>>> "ls -l /proc/config.gz" does it exist?
>>>>>
>>>>> "sudo apt-get install kernel-package"
>>>>>
>>>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>>>> CONFIG_SND_ALOOP=m
>>>>>
>>>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the

>>>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>>>
>>>>> Konsole output
>>>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>>
>>>>> Konsole output
>>>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>> 73 ... Sid.
>>>>>
>>>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>
>>>>>> Jesh .. just found out why ...
>>>>>>
>>>>>> for some reason the snd-aloop is not in the kernel ..... that is
>>>>>> not good .....
>>>>>>
>>>>>> i dont know how to build a kernel ...
>>>>>>
>>>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>>> ?
>>>>>>>>
>>>>>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>>>>>
>>>>>>>> i tried the 2 lines of
>>>>>>>>
>>>>>>>> digital_input_name = "hw:Loopback,0"
>>>>>>>> digital_output_name = digital_input_name
>>>>>>>>
>>>>>>>> but quisk hangs for some reason .....
>>>>>>>>
>>>>>>>> --
>>>>>>>> Mike KC7NOA
>>>>>>>>
>>>>>>>
>>>>>>> --
>>>>>>> Mike KC7NOA
>>>>>
>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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--
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1453. Re: [n2adr-sdr] quisk Fldigi and Odroid

Yahoo group: n2adr-sdr
Date: 2015-06-03 23:01:11 UTC
From: Sid Boyce
Topic: 1440 Message: 1453

Great to hear it's up.

Building and installing kernels on ODROID is a bit more involved than on
x86_64. On x86_64 it only needs installing the .deb packages.
73 ... Sid.

On 03/06/15 23:28, Mike wrote:
> hey .. its listed now .. ill try it out in about 35min ... daughter is
> almost home from school ....
>
> Last login: Wed Jun 3 14:17:48 2015 from sdr-client
> odroid@odroid:~$ cat /proc/asound/cards
> 0 [Audio]: Built-in_Audio - Built-in Audio
> Built-in Audio
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-s5p-ehci-2.2, full speed
> 2 [Device_1]: USB-Audio - USB PnP Sound Device
> USB PnP Sound Device at usb-s5p-ehci-2.1.4, full
> speed
> 3 [Loopback]: Loopback - Loopback
> Loopback 1
> odroid@odroid:~$
>
>
> On 06/03/2015 01:24 PM, Sid Boyce wrote:
>> Konsole output
>> git clone --depth 1 git://github.com/hardkernel/linux.git -b odroid-3.8.y
>>
>> mv linux linux-3.8.13.301
>> cd linux-3.8.13.301
>> edit Makefile and change EXTRAVERSION = .30 to .301
>>
>> Konsole output
>> VERSION = 3
>> PATCHLEVEL = 8
>> SUBLEVEL = 13
>> EXTRAVERSION = .301
>>
>> cp /proc/config.gz .
>> gzip -d config.gz
>> mv config .config
>>
>> edit .config and change the line
>> # CONFIG_SND_ALOOP is not set
>> to

>> CONFIG_SND_ALOOP=m
>>
>> make oldconfig
>>
>> make-kpkg -j 4 --initrd linux_headers linux_image
>>
>> When it's all done, the 2 .deb packages are built
>> cp arch/arm/boot/zImage /media/boot/zImage-3.8.13.301
>>
>> dpkg -i ../linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>> ../linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>
>> Konsole output
>> mkimage-A arm -T ramdisk -C none -n "uInitrd" -d
>> /boot/initrd.img-3.8.13.301 /media/boot/uInitrd-3.8.13.301
>>
>> Backup 3.8.13.30 files. If not root use sudo.
>> --
>> cd /media/boot
>> cp zImage zImage-3.8.13.30
>> cp uInitrd uInitrd-3.8.13.30
>>
>> cp zImage-3.8.13.301 zImage
>> cp uInitrd-3.8.13.301 uInitrd
>>
>> sync;sync
>>
>> reboot and you are up and running on the new -X2 kernel.
>> Konsole output
>> # uname -r
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>> modprobe snd-aloop
>> Loopback should show as an additional sound card.
>> Konsole output
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>> cat /proc/asound/cards
>>
>> Konsole output
>> 2 [Loopback]: Loopback - Loopback
>> Loopback 1
>> 73 ... Sid.
>>
>> On 03/06/15 18:30, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>
>>> AOK,
>>> All set to go.
>>> I'll send you a set of instructions later.
>>> 73 ... Sid.
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>>> On 03/06/15 17:26, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> odroid@odroid:~$ uname -a
>>>> Linux odroid 3.8.13.30 #1 SMP PREEMPT Wed Mar 4 17:49:03 BRT 2015
>>>> armv7l armv7l armv7l GNU/Linux
>>>> odroid@odroid:~$
>>>>
>>>>
>>>>
>>>> odroid@odroid:~$ df -h
>>>> Filesystem Size Used Avail Use% Mounted on
>>>> /dev/mmcblk0p2 30G 22G 6.7G 77% /
>>>> none 4.0K 0 4.0K 0% /sys/fs/cgroup
>>>> udev 883M 4.0K 883M 1% /dev
>>>> tmpfs 1012M 4.0K 1012M 1% /tmp
>>>> tmpfs 203M 3.0M 200M 2% /run
>>>> none 5.0M 0 5.0M 0% /run/lock
>>>> none 1012M 72K 1012M 1% /run/shm
>>>> none 100M 28K 100M 1% /run/user
>>>> /dev/mmcblk0p1 129M 14M 116M 11% /boot
>>>> odroid@odroid:~$
>>>>
>>>>
>>>>
>>>> odroid@odroid:~$ ls -l /proc/config.gz
>>>> -r--r--r-- 1 root root 23423 Jun 3 09:24 /proc/config.gz
>>>> odroid@odroid:~$
>>>>
>>>>
>>>> I would like to build my kernel as the same ..... but for X2, ...
>>>>
>>>>
>>>> On 06/03/2015 04:05 AM, Sid Boyce g3vbv@...
>>>> [n2adr-sdr] wrote:
>>>>>
>>>>> Somewhat involved and I don't have the same ODROID.
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>>>>> I can detail a process for building and installing a new kernel
>>>>> "uname -a" ?
>>>>> "df -h" to see how many GB of space you have if you don't have a
>>>>> USB HD. The kernel source requires 2.5GB.
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>>>>> "ls -l /proc/config.gz" does it exist?
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>>>>> I am about to boot a ODROID-U3 kernel configured with Konsole output
>>>>> CONFIG_SND_ALOOP=m
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>>>>> It's a 3.8.13.30 kernel that I built as 3.8.13.301 by changing the

>>>>> Makefile so I don't lose the ability to go back to 3.8.13.30.
>>>>>
>>>>> Konsole output
>>>>> linux-headers-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>>
>>>>> Konsole output
>>>>> linux-image-3.8.13.301_3.8.13.301-10.00.Custom_armhf.deb
>>>>> 73 ... Sid.
>>>>>
>>>>> On 02/06/15 23:12, Mike Patriot121@... [n2adr-sdr] wrote:
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>>>>>> Jesh .. just found out why ...
>>>>>>
>>>>>> for some reason the snd-aloop is not in the kernel ..... that is
>>>>>> not good .....
>>>>>>
>>>>>> i dont know how to build a kernel ...
>>>>>>
>>>>>> On 06/02/2015 02:48 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>> Â
>>>>>>>
>>>>>>> any one using quisk Fldigi and Odroid (arm7) ..... ??
>>>>>>>
>>>>>>> i tried the 2 lines of
>>>>>>>
>>>>>>> digital_input_name = "hw:Loopback,0"
>>>>>>> digital_output_name = digital_input_name
>>>>>>>
>>>>>>> but quisk hangs for some reason .....
>>>>>>>
>>>>>>> --
>>>>>>> Mike KC7NOA
>>>>>>>
>>>>>>
>>>>>> --
>>>>>> Mike KC7NOA
>>>>>
>>>>>
>>>>> --
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>>>> --
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>>>
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>>
>>
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>
> --
> Mike KC7NOA

--
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1454. add feature

Yahoo group: n2adr-sdr
Date: 2015-06-22 05:46:38 UTC
From: Mike
Topic: 1454 Message: 1454

guess this isn't really a feature ....

id like the digital button .. also have a FM too .... besides the USB/LSB/IQ

My SDR covers 2M and id like to send the Rx'd audio to the aloop ....

--
Mike KC7NOA

1455. freedv

Yahoo group: n2adr-sdr
Date: 2015-06-23 00:37:18 UTC
From: Mike
Topic: 1455 Message: 1455
Attachments: 1 described; binary payloads are missing from this source WARC

I downloaded freedv2 and installed .....

freedv is getting audio from quisk -- using the DGT-U button, the FDV-U button is still greyed out ...

freedv cant seem to use the PTT control that quisk/fldigi ... that type of control isn't in freedv list.
maybe it doesnt really need it ...

-- Mike KC7NOA

1456. freedv

Yahoo group: n2adr-sdr
Date: 2015-06-23 20:20:13 UTC
From: Mike
Topic: 1455 Message: 1456

```
im getting an location error when python setup.py thats in the freedvpkg
folder is ran ....

about no folder freedv in folder freedvpkg ...

odroid@odroid:~/Downloads/quisk/freedvpkg$ sudo python setup.py install
running install
running build
running build_py
running build_ext
running build_scripts
error: file '/home/odroid/Downloads/quisk/freedvpkg/freedv' does not exist

im not sure what is trying to call that yet ....

--
Mike KC7NOA
```

1457. Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-23 21:16:07 UTC
From: Mike
Topic: 1457 Message: 1457
Attachments: 2 described; binary payloads are missing from this source WARC

ok .. so i did get freedv working from a svn download ... called fdmdv2

it was installed at /usr/local/bin$

so i cd over there and

cp freedv /home/odroid/Downloads/quisk/freedvpkg/

or simply put, copy'd the freedv over into the freedvpkg folder ....

so a few things missing from the readme instructions ... or they are
just too simple ....

to get freedv button in quisk to work ... you need to run the setup.py
that's in the freedvpkg folder, not the one in the quisk folder ...

-------- Forwarded Message --------
Subject: freedv
Date: Tue, 23 Jun 2015 13:54:15 -0700
From: Michael Durkin <kc7noa@...>
To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>

got it!!!!

1458. Re: [n2adr-sdr] Fwd: freedv [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-06-23 22:45:33 UTC
From: Sid Boyce
Topic: 1457 Message: 1458

```
Konsole output
Hi Mike,
One thing I had forgotten to ask you earlier was if you had freedv.so built.
root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
total 604
drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
-rw-rw-rw- 1 lancelot users 5432 abr 26 14:33 freedv.c
-rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
-rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
-rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
-rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
-rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
-rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
-rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
-rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
drwxrwxr-x 5 lancelot users 4096 abr 29 20:22 speex
root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
dynamically linked,
BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
root@odroidu3:/opt/quisk-3.6.22/freedvpkg#
73 ... Sid.

On 23/06/15 22:16, Mike Patriot121@... [n2adr-sdr] wrote:
>
> ok .. so i did get freedv working from a svn download ... called fdmdv2
>
> it was installed at /usr/local/bin$
>
> so i cd over there and
>
> ? cp freedv /home/odroid/Downloads/quisk/freedvpkg/? ? ?
>
> or simply put, copy'd the freedv over into the freedvpkg folder ....
>
> so a few things missing from the readme instructions ... or they are
> just too simple ....
>
> to get freedv button in quisk to work ... you need to run the setup.py
> that's in the freedvpkg folder, not the one in the quisk folder ...
>
>
>
>
```

> -------- Forwarded Message --------
> Subject: freedv
> Date: Tue, 23 Jun 2015 13:54:15 -0700
> From: Michael Durkin <kc7noa@...>
> To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>
>
>
>
> got it!!!!
>
>
>
>
>
>
>

--
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Senior Staff Specialist, Cricket Coach
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1459. Re: [n2adr-sdr] Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-23 23:47:55 UTC
From: Mike
Topic: 1457 Message: 1459

what came with quisk.22 ..no i didnt build that one , couldnt seem to ....

i built from svn co https://svn.code.sf.net/p/freetel/code/fdmdv2 fdmdv2

BTY .. while i was in the chat room ....

KC7NOA: whats common ... 1600 or 1200
6/23/2015, 4:30:16 PM
K5WH: 1600 for now
6/23/2015, 4:30:41 PM
K5WH: there is a new 700 mode we are testing, but it's not ready for
prime time just yet
6/23/2015, 4:36:48 PM
KC7NOA: where on ir?
6/23/2015, 4:36:55 PM
KC7NOA: air?
6/23/2015, 4:37:45 PM
KC7NOA: im on 14.236 calling and listening too

On 06/23/2015 03:45 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Konsole output
> Hi Mike,
> One thing I had forgotten to ask you earlier was if you had freedv.so
> built.
> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
> total 604
> drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
> drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
> -rw-rw-rw- 1 lancelot users 5432 abr 26 14:33 freedv.c
> -rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
> -rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
> -rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
> -rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
> -rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
> -rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
> -rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
> -rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
> drwxrwxr-x 5 lancelot users 4096 abr 29 20:22 speex
> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
> root@odroidu3:/opt/quisk-3.6.22/freedvpkg#
> 73 ... Sid.
>

> On 23/06/15 22:16, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> ok .. so i did get freedv working from a svn download ... called fdmdv2
>>
>> it was installed at /usr/local/bin$
>>
>> so i cd over there and
>>
>> Â cp freedv /home/odroid/Downloads/quisk/freedvpkg/Â Â Â
>>
>> or simply put, copy'd the freedv over into the freedvpkg folder ....
>>
>> so a few things missing from the readme instructions ... or they are
>> just too simple ....
>>
>> to get freedv button in quisk to work ... you need to run the
>> setup.py that's in the freedvpkg folder, not the one in the quisk
>> folder ...
>>
>>
>>
>>
>> -------- Forwarded Message --------
>> Subject: freedv
>> Date: Tue, 23 Jun 2015 13:54:15 -0700
>> From: Michael Durkin <kc7noa@...>
>> To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>
>>
>>
>>
>> got it!!!!
>>
>>
>>
>>
>>
>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
Mike KC7NOA

1460. freedv useage

Yahoo group: n2adr-sdr
Date: 2015-06-23 23:49:52 UTC
From: Mike
Topic: 1460 Message: 1460

Is there a way to use the freedv button .. and still have the freedv window too ....??

im not sure where the center mark is ... and i seem to remember that you can change where the center marker is in freedv

--
Mike KC7NOA

1461. Re: [n2adr-sdr] Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-24 10:21:33 UTC
From: Sid Boyce
Topic: 1457 Message: 1461

```
Konsole output
I have used "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
or code/codec2.
slipstream:/opt/quisk-3.6.22/freedvpkg/codec2 #svn info
Path: .
Working Copy Root Path: /opt/quisk-3.6.22/freedvpkg/codec2
URL: https://svn.code.sf.net/p/freetel/code/codec2-dev
Relative URL: ^/codec2-dev
Repository Root: https://svn.code.sf.net/p/freetel/code
Repository UUID: 01035d8c-6547-0410-b346-abe4f91aad63
Revision: 2139
Node Kind: directory
Schedule: normal
Last Changed Author: drowe67
Last Changed Rev: 2137
Last Changed Date: 2015-05-19 08:12:16 +0100 (Tue, 19 May 2015)
73 ... Sid.

On 24/06/15 00:47, Mike Patriot121@... [n2adr-sdr] wrote:
>
> what came with quisk.22 ..no i didnt build that one , couldnt seem to ....
>
> i built from svn co https://svn.code.sf.net/p/freetel/code/fdmdv2 fdmdv2
>
> BTY .. while i was in the chat room ....
>
> KC7NOA: whats common ... 1600 or 1200
> 6/23/2015, 4:30:16 PM
> K5WH: 1600 for now
> 6/23/2015, 4:30:41 PM
> K5WH: there is a new 700 mode we are testing, but it's not ready for
> prime time just yet
> 6/23/2015, 4:36:48 PM
> KC7NOA: where on ir?
> 6/23/2015, 4:36:55 PM
> KC7NOA: air?
> 6/23/2015, 4:37:45 PM
> KC7NOA: im on 14.236 calling and listening too
>
> On 06/23/2015 03:45 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Konsole output
>> Hi Mike,
>> One thing I had forgotten to ask you earlier was if you had freedv.so
```

>> built.
>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
>> total 604
>> drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
>> drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
>> -rw-rw-rw- 1 lancelot users 5432 abr 26 14:33 freedv.c
>> -rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
>> -rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
>> -rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
>> -rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
>> -rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
>> -rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
>> -rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
>> -rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
>> drwxrwxr-x 5 lancelot users 4096 abr 29 20:22 speex
>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>> (SYSV), dynamically linked,
>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg#
>> 73 ... Sid.
>>
>> On 23/06/15 22:16, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> ok .. so i did get freedv working from a svn download ... called fdmdv2
>>>
>>> it was installed at /usr/local/bin$
>>>
>>> so i cd over there and
>>>
>>> ? cp freedv /home/odroid/Downloads/quisk/freedvpkg/? ? ?
>>>
>>> or simply put, copy'd the freedv over into the freedvpkg folder ....
>>>
>>> so a few things missing from the readme instructions ... or they are
>>> just too simple ....
>>>
>>> to get freedv button in quisk to work ... you need to run the
>>> setup.py that's in the freedvpkg folder, not the one in the quisk
>>> folder ...
>>>
>>>
>>>
>>>
>>> -------- Forwarded Message --------
>>> Subject: freedv
>>> Date: Tue, 23 Jun 2015 13:54:15 -0700
>>> From: Michael Durkin <kc7noa@...>
>>> To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>
>>>

>>>
>>>
>>> got it!!!!
>>>
>>>
>>>
>>>
>>>
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1462. Re: [n2adr-sdr] Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-24 13:49:15 UTC
From: Mike
Topic: 1457 Message: 1462

ok .. so it is the same source ...

On 06/24/2015 03:21 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Konsole output
> I have used "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> or code/codec2.
> slipstream:/opt/quisk-3.6.22/freedvpkg/codec2 #svn info
> Path: .
> Working Copy Root Path: /opt/quisk-3.6.22/freedvpkg/codec2
> URL: https://svn.code.sf.net/p/freetel/code/codec2-dev
> Relative URL: ^/codec2-dev
> Repository Root: https://svn.code.sf.net/p/freetel/code
> Repository UUID: 01035d8c-6547-0410-b346-abe4f91aad63
> Revision: 2139
> Node Kind: directory
> Schedule: normal
> Last Changed Author: drowe67
> Last Changed Rev: 2137
> Last Changed Date: 2015-05-19 08:12:16 +0100 (Tue, 19 May 2015)
> 73 ... Sid.
>
> On 24/06/15 00:47, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> what came with quisk.22 ..no i didnt build that one , couldnt seem to
>> ....
>>
>> i built from svn co https://svn.code.sf.net/p/freetel/code/fdmdv2 fdmdv2
>>
>> BTY .. while i was in the chat room ....
>>
>> KC7NOA: whats common ... 1600 or 1200
>> 6/23/2015, 4:30:16 PM
>> K5WH: 1600 for now
>> 6/23/2015, 4:30:41 PM
>> K5WH: there is a new 700 mode we are testing, but it's not ready for
>> prime time just yet
>> 6/23/2015, 4:36:48 PM
>> KC7NOA: where on ir?
>> 6/23/2015, 4:36:55 PM
>> KC7NOA: air?
>> 6/23/2015, 4:37:45 PM
>> KC7NOA: im on 14.236 calling and listening too
>>
>> On 06/23/2015 03:45 PM, Sid Boyce g3vbv@... [n2adr-sdr]

```
>> wrote:
>>>
>>> Konsole output
>>> Hi Mike,
>>> One thing I had forgotten to ask you earlier was if you had
>>> freedv.so built.
>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
>>> total 604
>>> drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
>>> drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
>>> -rw-rw-rw- 1 lancelot users 5432 abr 26 14:33 freedv.c
>>> -rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
>>> -rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
>>> -rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
>>> -rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
>>> -rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
>>> -rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
>>> -rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
>>> -rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
>>> drwxrwxr-x 5 lancelot users 4096 abr 29 20:22 speex
>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
>>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>> (SYSV), dynamically linked,
>>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg#
>>> 73 ... Sid.
>>>
>>> On 23/06/15 22:16, Mike Patriot121@msn.com [n2adr-sdr] wrote:
>>>>
>>>> ok .. so i did get freedv working from a svn download ... called fdmdv2
>>>>
>>>> it was installed at /usr/local/bin$
>>>>
>>>> so i cd over there and
>>>>
>>>> Â cp freedv /home/odroid/Downloads/quisk/freedvpkg/Â Â Â
>>>>
>>>> or simply put, copy'd the freedv over into the freedvpkg folder ....
>>>>
>>>> so a few things missing from the readme instructions ... or they
>>>> are just too simple ....
>>>>
>>>> to get freedv button in quisk to work ... you need to run the
>>>> setup.py that's in the freedvpkg folder, not the one in the quisk
>>>> folder ...
>>>>
>>>>
>>>>
>>>>
>>>> -------- Forwarded Message --------
```

>>>> Subject: freedv
>>>> Date: Tue, 23 Jun 2015 13:54:15 -0700
>>>> From: Michael Durkin <kc7noa@...>
>>>> To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>
>>>>
>>>>
>>>>
>>>> got it!!!!
>>>>
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>>>>
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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>>
>> --
>> Mike KC7NOA
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
Mike KC7NOA

1463. freedv added another mode 700

Yahoo group: n2adr-sdr
Date: 2015-06-24 18:25:53 UTC
From: Mike
Topic: 1463 Message: 1463

I see that freedv added another mode ... 700

does the build code for quisk need to be updated to use that or ....
just rebuild freedv and quisk will reflect the newer 700 ?

--
Mike KC7NOA

1464. Re: [n2adr-sdr] Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-25 19:44:51 UTC
From: Mike
Topic: 1457 Message: 1464

I think its working ... i could decode the voice of AC7TY, he is over by
Seattle and im in Spokane Wa .... he couldnt decode me .. he said that
he could see my signal, just not decode .... not sure if he needed to
move the center marker on his side or what .. but i would like to be
able to see the freedv window when that mode is enabled ...

Hope that the "700" mode is soon released as stable ...

On 06/24/2015 06:49 AM, Mike Patriot121@msn.com [n2adr-sdr] wrote:
>
> ok .. so it is the same source ...
>
> On 06/24/2015 03:21 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> Konsole output
>> I have used "svn co
>> https://svn.code.sf.net/p/freetel/code/codec2-dev" or code/codec2.
>> slipstream:/opt/quisk-3.6.22/freedvpkg/codec2 #svn info
>> Path: .
>> Working Copy Root Path: /opt/quisk-3.6.22/freedvpkg/codec2
>> URL: https://svn.code.sf.net/p/freetel/code/codec2-dev
>> Relative URL: ^/codec2-dev
>> Repository Root: https://svn.code.sf.net/p/freetel/code
>> Repository UUID: 01035d8c-6547-0410-b346-abe4f91aad63
>> Revision: 2139
>> Node Kind: directory
>> Schedule: normal
>> Last Changed Author: drowe67
>> Last Changed Rev: 2137
>> Last Changed Date: 2015-05-19 08:12:16 +0100 (Tue, 19 May 2015)
>> 73 ... Sid.
>>
>> On 24/06/15 00:47, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> what came with quisk.22 ..no i didnt build that one , couldnt seem
>>> to ....
>>>
>>> i built from svn co https://svn.code.sf.net/p/freetel/code/fdmdv2
>>> fdmdv2
>>>
>>> BTY .. while i was in the chat room ....
>>>
>>> KC7NOA: whats common ... 1600 or 1200
>>> 6/23/2015, 4:30:16 PM

>>> K5WH: 1600 for now
>>> 6/23/2015, 4:30:41 PM
>>> K5WH: there is a new 700 mode we are testing, but it's not ready for
>>> prime time just yet
>>> 6/23/2015, 4:36:48 PM
>>> KC7NOA: where on ir?
>>> 6/23/2015, 4:36:55 PM
>>> KC7NOA: air?
>>> 6/23/2015, 4:37:45 PM
>>> KC7NOA: im on 14.236 calling and listening too
>>>
>>> On 06/23/2015 03:45 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>>
>>>> Konsole output
>>>> Hi Mike,
>>>> One thing I had forgotten to ask you earlier was if you had
>>>> freedv.so built.
>>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
>>>> total 604
>>>> drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
>>>> drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
>>>> -rw-rw-rw- 1 lancelot users 5432 abr 26 14:33 freedv.c
>>>> -rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
>>>> -rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
>>>> -rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
>>>> -rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
>>>> -rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
>>>> -rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
>>>> -rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
>>>> -rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
>>>> drwxrwxr-x 5 lancelot users 4096 abr 29 20:22 speex
>>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
>>>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>>> (SYSV), dynamically linked,
>>>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg#
>>>> 73 ... Sid.
>>>>
>>>> On 23/06/15 22:16, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>
>>>>> ok .. so i did get freedv working from a svn download ... called
>>>>> fdmdv2
>>>>>
>>>>> it was installed at /usr/local/bin$
>>>>>
>>>>> so i cd over there and
>>>>>
>>>>> Â cp freedv /home/odroid/Downloads/quisk/freedvpkg/Â Â Â
>>>>>

>>>>> or simply put, copy'd the freedv over into the freedvpkg folder ....
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>>>>> so a few things missing from the readme instructions ... or they
>>>>> are just too simple ....
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>>>>> to get freedv button in quisk to work ... you need to run the
>>>>> setup.py that's in the freedvpkg folder, not the one in the quisk
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>>>>>
>>>>>
>>>>> -------- Forwarded Message --------
>>>>> Subject: freedv
>>>>> Date: Tue, 23 Jun 2015 13:54:15 -0700
>>>>> From: Michael Durkin <kc7noa@...>
>>>>> To: patriot121 <patriot121@...>, Sid Boyce <boyce.sid@...>
>>>>>
>>>>>
>>>>>
>>>>> got it!!!!
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>>>
>>> --
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>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1465. Re: [n2adr-sdr] Fwd: freedv

Yahoo group: n2adr-sdr
Date: 2015-06-25 20:18:26 UTC
From: Sid Boyce
Topic: 1457 Message: 1465

Thanks Mike,
Good progress, keep updating us on what you find.
73 ... Sid.

On 25/06/15 20:44, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I think its working ... i could decode the voice of AC7TY, he is over
> by Seattle and im in Spokane Wa .... he couldnt decode me .. he said
> that he could see my signal, just not decode .... not sure if he
> needed to move the center marker on his side or what .. but i would
> like to be able to see the freedv window when that mode is enabled ...
>
> Hope that the "700" mode is soon released as stable ...
>
> On 06/24/2015 06:49 AM, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> ok .. so it is the same source ...
>>
>> On 06/24/2015 03:21 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>
>>> Konsole output
>>> I have used "svn co
>>> https://svn.code.sf.net/p/freetel/code/codec2-dev" or code/codec2.
>>> slipstream:/opt/quisk-3.6.22/freedvpkg/codec2 #svn info
>>> Path: .
>>> Working Copy Root Path: /opt/quisk-3.6.22/freedvpkg/codec2
>>> URL: https://svn.code.sf.net/p/freetel/code/codec2-dev
>>> Relative URL: ^/codec2-dev
>>> Repository Root: https://svn.code.sf.net/p/freetel/code
>>> Repository UUID: 01035d8c-6547-0410-b346-abe4f91aad63
>>> Revision: 2139
>>> Node Kind: directory
>>> Schedule: normal
>>> Last Changed Author: drowe67
>>> Last Changed Rev: 2137
>>> Last Changed Date: 2015-05-19 08:12:16 +0100 (Tue, 19 May 2015)
>>> 73 ... Sid.
>>>
>>> On 24/06/15 00:47, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> what came with quisk.22 ..no i didnt build that one , couldnt seem
>>>> to ....
>>>>
>>>> i built from svn co https://svn.code.sf.net/p/freetel/code/fdmdv2

>>>> fdmdv2
>>>>
>>>> BTY .. while i was in the chat room ....
>>>>
>>>> KC7NOA: whats common ... 1600 or 1200
>>>> 6/23/2015, 4:30:16 PM
>>>> K5WH: 1600 for now
>>>> 6/23/2015, 4:30:41 PM
>>>> K5WH: there is a new 700 mode we are testing, but it's not ready
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>>>> KC7NOA: where on ir?
>>>> 6/23/2015, 4:36:55 PM
>>>> KC7NOA: air?
>>>> 6/23/2015, 4:37:45 PM
>>>> KC7NOA: im on 14.236 calling and listening too
>>>>
>>>> On 06/23/2015 03:45 PM, Sid Boyce g3vbv@...
>>>> [n2adr-sdr] wrote:
>>>>>
>>>>> Konsole output
>>>>> Hi Mike,
>>>>> One thing I had forgotten to ask you earlier was if you had
>>>>> freedv.so built.
>>>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# ls -l
>>>>> total 604
>>>>> drwxrwxr-x 5 lancelot users 4096 may 21 02:10 build
>>>>> drwxr-xr-x 14 lancelot users 4096 may 5 22:33 codec2
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>>>>> -rw-rw-rw- 1 lancelot users 11264 abr 27 16:50 freedv.pyd
>>>>> -rwxr-xr-x 1 lancelot users 29112 may 21 02:10 freedv.so
>>>>> -rw-r--r-- 1 lancelot users 2 abr 12 01:22 __init__.py
>>>>> -rw-r--r-- 1 lancelot users 108 abr 12 01:22 __init__.pyc
>>>>> -rw-rw-rw- 1 lancelot users 532238 abr 15 17:56 libcodec2.dll
>>>>> -rw-r--r-- 1 lancelot users 130 abr 12 00:02 makefile
>>>>> -rw-rw-rw- 1 lancelot users 3710 abr 15 18:17 README.txt
>>>>> -rw-rw-rw- 1 lancelot users 2077 abr 15 06:24 setup.py
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>>>>> (SYSV), dynamically linked,
>>>>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
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>>>>> On 23/06/15 22:16, Mike Patriot121@... [n2adr-sdr] wrote:
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>>>>>> ok .. so i did get freedv working from a svn download ... called
>>>>>> fdmdv2
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>>>>>> it was installed at /usr/local/bin$
>>>>>>
>>>>>> so i cd over there and
>>>>>>
>>>>>> ? cp freedv /home/odroid/Downloads/quisk/freedvpkg/? ? ?
>>>>>>
>>>>>> or simply put, copy'd the freedv over into the freedvpkg folder ....
>>>>>>
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>>>>>> setup.py that's in the freedvpkg folder, not the one in the quisk
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>>>>>> Subject: freedv
>>>>>> Date: Tue, 23 Jun 2015 13:54:15 -0700
>>>>>> From: Michael Durkin <kc7noa@...>
>>>>>> To: patriot121 <patriot121@...>, Sid Boyce
>>>>>> <boyce.sid@...>
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>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>> Senior Staff Specialist, Cricket Coach
>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>
>>>> --
>>>> Mike KC7NOA
>>>
>>>
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>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>> --
>> Mike KC7NOA
>
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> Mike KC7NOA
>

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1466. freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-26 19:57:43 UTC
From: Mike
Topic: 1466 Message: 1466

How does freedv get added to qusik ...

Iv build the freedv-dev and it does run with terminal command of "freedv"

but im not sure how to get the setup.py in the quisk folder to add freedv ... (or is it the setup.py in the freedvpkg folder that does that part)

--
Mike KC7NOA

1467. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-26 21:12:11 UTC
From: Sid Boyce
Topic: 1466 Message: 1467

quisk-3.6.22/freedvpkg/README.txt
Konsole output
Under sub-heading: Subdirectory codec2
"make" builds freedv.so

Konsole output
sdrbox:/opt/quisk-3.6.22 #python setup.py install

sdrbox:/opt/quisk-3.6.22 #python quisk.py

I find executing "quisk" from the command line causes FDV-U to come up
greyed out.
73 ... Sid.

On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
>
> How does freedv get added to qusik ...
>
> Iv build the freedv-dev and it does run with terminal command of "freedv"
>
> but im not sure how to get the setup.py in the quisk folder to add
> freedv ... (or is it the setup.py in the freedvpkg folder that does that
> part)
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> --
> Mike KC7NOA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1468. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-26 21:43:14 UTC
From: Mike
Topic: 1466 Message: 1468

I dont understand ...

If quisk has not been built to use freedv ... how does building freedv change/add the freedv button (and modes -- 700, 1200,1400 & 1600) to quisk?

Does freedv.so need to be in the quisk folder or the freedvpkg folder ...

Should quisk have a "make" done in quisk folder before "python setup.py install"?

****

why is there a setup.py in the freedvpkg folder ? -- it looks like it installs freedv as a regular program that can be ran ... i cant tell if its doing anything with quisk

On 06/26/2015 02:12 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> quisk-3.6.22/freedvpkg/README.txt
> Konsole output
> Under sub-heading: Subdirectory codec2
> "make" builds freedv.so
>
> Konsole output
> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>
> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>
> I find executing "quisk" from the command line causes FDV-U to come up
> greyed out.
> 73 ... Sid.
>
> On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> How does freedv get added to qusik ...
>>
>> Iv build the freedv-dev and it does run with terminal command of "freedv"
>>
>> but im not sure how to get the setup.py in the quisk folder to add
>> freedv ... (or is it the setup.py in the freedvpkg folder that does that
>> part)
>>
>> --
>> Mike KC7NOA
>>
>

>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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>

--
Mike KC7NOA

1469. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-26 23:26:45 UTC
From: Sid Boyce
Topic: 1466 Message: 1469

"make" with the makefile in quisk-3.6.22 executes:-
Konsole output
python setup.py build_ext --force --inplace

Right clicking on FDV-U changes to FDV-L and the only bandwidths
selectable are 1600 and 1200.

I'll have a play with the HiQSDR tomorrow to gain better insights. It's
possible that there is leftovers from previous installs are causing
command line quisk not to enable FDV.

freedv have selections for 1400 v0.91, 1600 and 1600 Wide while Jim's
README.txt states 1200.
I leave freedv.so in the freedvpkg directory.

I've also discovered that "python setup.py install" doesn't move the
hiqsdr directory to /usr/local/lib/python2.7/site-packages/quisk/ but
even then FDV is greyed out when the quisk is directory is copied across
manually and only
"python quisk.py" results in it not greyed out.

Don't know how it works for softrock.
73 ... Sid.

On 26/06/15 22:43, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I dont understand ...
>
> If quisk has not been built to use freedv ... how does building freedv
> change/add the freedv button (and modes -- 700, 1200,1400 & 1600) to
> quisk?
>
> Does freedv.so need to be in the quisk folder or the freedvpkg folder ...
>
> Should quisk have a "make" done in quisk folder before "python
> setup.py install"?
>
>
> **********
>
> why is there a setup.py in the freedvpkg folder ? -- it looks like it
> installs freedv as a regular program that can be ran ... i cant tell
> if its doing anything with quisk
>
>
>

> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> quisk-3.6.22/freedvpkg/README.txt
>> Konsole output
>> Under sub-heading: Subdirectory codec2
>> "make" builds freedv.so
>>
>> Konsole output
>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>
>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>
>> I find executing "quisk" from the command line causes FDV-U to come
>> up greyed out.
>> 73 ... Sid.
>>
>> On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> How does freedv get added to qusik ...
>>>
>>> Iv build the freedv-dev and it does run with terminal command of
>>> "freedv"
>>>
>>> but im not sure how to get the setup.py in the quisk folder to add
>>> freedv ... (or is it the setup.py in the freedvpkg folder that does
>>> that
>>> part)
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>>> --
>>> Mike KC7NOA
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>>
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> --
> Mike KC7NOA
>

--
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1470. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-26 23:44:19 UTC
From: Mike
Topic: 1466 Message: 1470

yea .. the reason you have only 1200 and 1600 is because you didn't
build the -dev of freedv ...

Id like to try out the newer (not stable - beta) 700 bandwidth ...

Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L are
coded ....

I had hoped that they were queried from freedv by quisk .. but so far
all i have is buttons for 1200 1600 and 1000 ... not 700 ...

sooooo .. hummmm ...?????

On a side note .. i need to look into fixing the spacing of quisk's
buttons ... my screen size is not being calc'd right or something ....

On 06/26/2015 04:26 PM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] wrote:
>
> "make" with the makefile in quisk-3.6.22 executes:-
> Konsole output
> python setup.py build_ext --force --inplace
>
> Right clicking on FDV-U changes to FDV-L and the only bandwidths
> selectable are 1600 and 1200.
>
> I'll have a play with the HiQSDR tomorrow to gain better insights.
> It's possible that there is leftovers from previous installs are
> causing command line quisk not to enable FDV.
>
> freedv have selections for 1400 v0.91, 1600 and 1600 Wide while Jim's
> README.txt states 1200.
> I leave freedv.so in the freedvpkg directory.
>
> I've also discovered that "python setup.py install" doesn't move the
> hiqsdr directory to /usr/local/lib/python2.7/site-packages/quisk/ but
> even then FDV is greyed out when the quisk is directory is copied
> across manually and only
> "python quisk.py" results in it not greyed out.
>
> Don't know how it works for softrock.
> 73 ... Sid.
>
> On 26/06/15 22:43, Mike Patriot121@msn.com [n2adr-sdr] wrote:
>>
>> I dont understand ...
>>

>> If quisk has not been built to use freedv ... how does building
>> freedv change/add the freedv button (and modes -- 700, 1200,1400 &
>> 1600) to quisk?
>>
>> Does freedv.so need to be in the quisk folder or the freedvpkg folder ...
>>
>> Should quisk have a "make" done in quisk folder before "python
>> setup.py install"?
>>
>>
>> **********
>>
>> why is there a setup.py in the freedvpkg folder ? -- it looks like it
>> installs freedv as a regular program that can be ran ... i cant tell
>> if its doing anything with quisk
>>
>>
>>
>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>
>>> quisk-3.6.22/freedvpkg/README.txt
>>> Konsole output
>>> Under sub-heading: Subdirectory codec2
>>> "make" builds freedv.so
>>>
>>> Konsole output
>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>
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>>>
>>> I find executing "quisk" from the command line causes FDV-U to come
>>> up greyed out.
>>> 73 ... Sid.
>>>
>>> On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> How does freedv get added to qusik ...
>>>>
>>>> Iv build the freedv-dev and it does run with terminal command of
>>>> "freedv"
>>>>
>>>> but im not sure how to get the setup.py in the quisk folder to add
>>>> freedv ... (or is it the setup.py in the freedvpkg folder that does
>>>> that
>>>> part)
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>>>> --
>>>> Mike KC7NOA
>>>>

>>>
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--
Mike KC7NOA

1471. Fwd: quisk help

Yahoo group: n2adr-sdr
Date: 2015-06-27 05:20:15 UTC
From: Mike
Topic: 1471 Message: 1471
Attachments: 2 described; binary payloads are missing from this source WARC

Hope my pics came through ... can some one help resize the time/record buttons so that i can see the others that are to its right ?

-------- Forwarded Message --------
Subject: quisk
Date: Fri, 26 Jun 2015 22:07:35 -0700
From: Michael Durkin <kc7noa@...>
To: patriot121 <patriot121@...>

quisk

1472. Fwd: quisk help

Yahoo group: n2adr-sdr
Date: 2015-06-27 05:22:19 UTC
From: Mike
Topic: 1471 Message: 1472
Attachments: 1 described; binary payloads are missing from this source WARC

i meant time / file/

ok i forgot what they were again .. you can see what i mean ...

BTY .. does that slider change the bandwidth of freedv ?

Sid .. do you see the same bandwidth buttons that i do ?

-------- Forwarded Message --------
Subject: ffff
Date: Fri, 26 Jun 2015 22:15:11 -0700
From: Michael Durkin <kc7noa@...>
To: patriot121 <patriot121@...>

fffff

1473. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-27 13:57:20 UTC
From: Sid Boyce
Topic: 1466 Message: 1473

Now I have 700 and 1600 with fdmdv2-dev

quisk uses the module freedv.so that is built from the freedv.c included.

In freedvpkg/setup.py
Konsole output
```
from distutils.core import setup, Extension
import sys

moduleLinux = Extension ('freedv',
libraries = ['m', 'codec2'],
sources = ['../import_quisk_api.c', 'freedv.c'],
include_dirs = ['.', '..', './codec2/src'],
library_dirs = ['./codec2/build_linux/src'],
runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
)
```

The standalone freedv binary may work with any rig that hamlib knows,
quisk doesn't rely on it.
73 ... Sid.

On 27/06/15 00:44, Mike Patriot121@... [n2adr-sdr] wrote:
> yea .. the reason you have only 1200 and 1600 is because you didn't
> build the -dev of freedv ...
>
> Id like to try out the newer (not stable - beta) 700 bandwidth ...
>
> Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L are
> coded ....
>
> I had hoped that they were queried from freedv by quisk .. but so far
> all i have is buttons for 1200 1600 and 1000 ... not 700 ...
>
> sooooo .. hummmm ...?????
>
>
> On a side note .. i need to look into fixing the spacing of quisk's
> buttons ... my screen size is not being calc'd right or something ....
>
> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> "make" with the makefile in quisk-3.6.22 executes:-
>> Konsole output
>> python setup.py build_ext --force --inplace

>>
>> Right clicking on FDV-U changes to FDV-L and the only bandwidths
>> selectable are 1600 and 1200.
>>
>> I'll have a play with the HiQSDR tomorrow to gain better insights.
>> It's possible that there is leftovers from previous installs are
>> causing command line quisk not to enable FDV.
>>
>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide while Jim's
>> README.txt states 1200.
>> I leave freedv.so in the freedvpkg directory.
>>
>> I've also discovered that "python setup.py install" doesn't move the
>> hiqsdr directory to /usr/local/lib/python2.7/site-packages/quisk/ but
>> even then FDV is greyed out when the quisk is directory is copied
>> across manually and only
>> "python quisk.py" results in it not greyed out.
>>
>> Don't know how it works for softrock.
>> 73 ... Sid.
>>
>> On 26/06/15 22:43, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> I dont understand ...
>>>
>>> If quisk has not been built to use freedv ... how does building
>>> freedv change/add the freedv button (and modes -- 700, 1200,1400 &
>>> 1600) to quisk?
>>>
>>> Does freedv.so need to be in the quisk folder or the freedvpkg
>>> folder ...
>>>
>>> Should quisk have a "make" done in quisk folder before "python
>>> setup.py install"?
>>>
>>>
>>> **********
>>>
>>> why is there a setup.py in the freedvpkg folder ? -- it looks like
>>> it installs freedv as a regular program that can be ran ... i cant
>>> tell if its doing anything with quisk
>>>
>>>
>>>
>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>>
>>>> quisk-3.6.22/freedvpkg/README.txt
>>>> Konsole output
>>>> Under sub-heading: Subdirectory codec2

>>>> "make" builds freedv.so
>>>>
>>>> Konsole output
>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>
>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>
>>>> I find executing "quisk" from the command line causes FDV-U to come
>>>> up greyed out.
>>>> 73 ... Sid.
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>>>> On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
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>>>>> How does freedv get added to qusik ...
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>>>>> Iv build the freedv-dev and it does run with terminal command of
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>>>>> but im not sure how to get the setup.py in the quisk folder to add
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>>>>> Mike KC7NOA
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1474. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-27 17:06:41 UTC
From: <Patriot121@...>
Topic: 1466 Message: 1474

When you built the -dev , where did the freedv.so get placed? ...

Sent by Outlook for Android

On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce g3vbv@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:
Now I have 700 and 1600 with fdmdv2-dev

quisk uses the module freedv.so that is built from the freedv.c included.

In freedvpkg/setup.py
Konsole output
```
from distutils.core import setup, Extension
import sys

moduleLinux = Extension ('freedv',
libraries = ['m', 'codec2'],
sources = ['../import_quisk_api.c', 'freedv.c'],
include_dirs = ['.', '..', './codec2/src'],
library_dirs = ['./codec2/build_linux/src'],
runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
)
```

The standalone freedv binary may work with any rig that hamlib knows,
quisk doesn't rely on it.
73 ... Sid.

On 27/06/15 00:44, Mike Patriot121@... [n2adr-sdr] wrote:
> yea .. the reason you have only 1200 and 1600 is because you didn't
> build the -dev of freedv ...
>
> Id like to try out the newer (not stable - beta) 700 bandwidth ...
>
> Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L are
> coded ....
>
> I had hoped that they were queried from freedv by quisk .. but so far
> all i have is buttons for 1200 1600 and 1000 ... not 700 ...
>
> sooooo .. hummmm ...?????
>
>
> On a side note .. i need to look into fixing the spacing of quisk's
> buttons ... my screen size is not being calc'd right or something ....
>
> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@... [n2adr-sdr]

> wrote:
>>
>> "make" with the makefile in quisk-3.6.22 executes:-
>> Konsole output
>> python setup.py build_ext --force --inplace
>>
>> Right clicking on FDV-U changes to FDV-L and the only bandwidths
>> selectable are 1600 and 1200.
>>
>> I'll have a play with the HiQSDR tomorrow to gain better insights.
>> It's possible that there is leftovers from previous installs are
>> causing command line quisk not to enable FDV.
>>
>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide while Jim's
>> README.txt states 1200.
>> I leave freedv.so in the freedvpkg directory.
>>
>> I've also discovered that "python setup.py install" doesn't move the
>> hiqsdr directory to /usr/local/lib/python2.7/site-packages/quisk/ but
>> even then FDV is greyed out when the quisk is directory is copied
>> across manually and only
>> "python quisk.py" results in it not greyed out.
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>> Don't know how it works for softrock.
>> 73 ... Sid.
>>
>> On 26/06/15 22:43, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> I dont understand ...
>>>
>>> If quisk has not been built to use freedv ... how does building
>>> freedv change/add the freedv button (and modes -- 700, 1200,1400 &
>>> 1600) to quisk?
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>>> Does freedv.so need to be in the quisk folder or the freedvpkg
>>> folder ...
>>>
>>> Should quisk have a "make" done in quisk folder before "python
>>> setup.py install"?
>>>
>>>
>>> **********
>>>
>>> why is there a setup.py in the freedvpkg folder ? -- it looks like
>>> it installs freedv as a regular program that can be ran ... i cant
>>> tell if its doing anything with quisk
>>>
>>>
>>>
>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr]

>>> wrote:
>>>>
>>>> quisk-3.6.22/freedvpkg/README.txt
>>>> Konsole output
>>>> Under sub-heading: Subdirectory codec2
>>>> "make" builds freedv.so
>>>>
>>>> Konsole output
>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>
>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>
>>>> I find executing "quisk" from the command line causes FDV-U to come
>>>> up greyed out.
>>>> 73 ... Sid.
>>>>
>>>> On 26/06/15 20:57, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>
>>>>> How does freedv get added to qusik ...
>>>>>
>>>>> Iv build the freedv-dev and it does run with terminal command of
>>>>> "freedv"
>>>>>
>>>>> but im not sure how to get the setup.py in the quisk folder to add
>>>>> freedv ... (or is it the setup.py in the freedvpkg folder that
>>>>> does that
>>>>> part)
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> Mike KC7NOA
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1475. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-27 20:27:29 UTC
From: Sid Boyce
Topic: 1466 Message: 1475

quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built and
quisk uses it.

quisk is built with codec2/codec2-dev which has fdmdv source files in
quisk-3.6.22/freedvpkg/codec2/src/.

freedv built from fdmdv2-dev source is not used by quisk.
73 ... Sid.

On 27/06/15 18:06, Patriot121@... [n2adr-sdr] wrote:
>
> When you built the -dev , where did the freedv.so get _placed_? ...
>
> Sent by Outlook <http://taps.io/outlookmobile> for Android
>
>
>
>
> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Now I have 700 and 1600 with fdmdv2-dev
>
> quisk uses the module freedv.so that is built from the freedv.c included.
>
> In freedvpkg/setup.py
> from distutils.core import setup, Extension
> import sys
>
> moduleLinux = Extension ('freedv',
> libraries = ['m', 'codec2'],
> sources = ['../import_quisk_api.c', 'freedv.c'],
> include_dirs = ['.', '..', './codec2/src'],
> library_dirs = ['./codec2/build_linux/src'],
> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
>)
>
> The standalone freedv binary may work with any rig that hamlib knows,
> quisk doesn't rely on it.
> 73 ... Sid.
>
> On 27/06/15 00:44, Mike Patriot121@... <mailto:Patriot121@...>
> [n2adr-sdr] wrote:
>>
>> yea .. the reason you have only 1200 and 1600 is because you didn't

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1476. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-30 16:43:59 UTC
From: Mike
Topic: 1466 Message: 1476

do you get a freedv gui when clicking the freedv button ?

On 06/27/2015 01:27 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built and
> quisk uses it.
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> quisk is built with codec2/codec2-dev which has fdmdv source files in
> quisk-3.6.22/freedvpkg/codec2/src/.
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> freedv built from fdmdv2-dev source is not used by quisk.
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> On 27/06/15 18:06, Patriot121@... [n2adr-sdr] wrote:
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>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>> In freedvpkg/setup.py
>> from distutils.core import setup, Extension
>> import sys
>>
>> moduleLinux = Extension ('freedv',
>> libraries = ['m', 'codec2'],
>> sources = ['../import_quisk_api.c', 'freedv.c'],
>> include_dirs = ['.', '..', './codec2/src'],
>> library_dirs = ['./codec2/build_linux/src'],
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>> The standalone freedv binary may work with any rig that hamlib knows,
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Mike KC7NOA

1477. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-30 22:56:08 UTC
From: Sid Boyce
Topic: 1466 Message: 1477

It only changes from FDV-U to FDV-L.

Jim has only produced a module (freedv.so) for quisk from
codec2/codec2-dev.

fdmdv2 and the freedv binary it builds doesn't figure in quisk or
ghpsdr3-alex.
73 ... Sid.

On 30/06/15 17:43, Mike Patriot121@... [n2adr-sdr] wrote:
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>>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
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>>> quisk uses the module freedv.so that is built from the freedv.c
>>> included.
>>>
>>> In freedvpkg/setup.py
>>> from distutils.core import setup, Extension

```
>>> import sys
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>>> moduleLinux = Extension ('freedv',
>>> libraries = ['m', 'codec2'],
>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>> include_dirs = ['.', '..', './codec2/src'],
>>> library_dirs = ['./codec2/build_linux/src'],
>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
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1478. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-06-30 23:37:43 UTC
From: Mike
Topic: 1466 Message: 1478

whats the reason for setup.py in freedvpkg folder to

mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$ python setup.py install
running install
running build
running build_py
running build_ext
running build_scripts
running install_lib
running install_scripts
changing mode of /usr/local/bin/freedv to 755 <------ what is this
line doing?-- im not sure what 755 is

update of sorts .... running "make" in freedvpkg is the way that
freedv.so is built ....

Im getting closer ..

On 06/30/2015 03:56 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> It only changes from FDV-U to FDV-L.
>
> Jim has only produced a module (freedv.so) for quisk from
> codec2/codec2-dev.
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>>>>>>>> On 26/06/15 20:57, Mike Patriot121@msn.com
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Mike KC7NOA

1479. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 20:39:54 UTC
From: Sid Boyce
Topic: 1466 Message: 1479

755 is file permissions rwxr-xr-x user - read/write/execute, group - read/execute, other - read/execute.

Forget /usr/local/bin/freedv that is built and installed from fdmdv2 as it has nothing to do with quisk and is not mentioned anywhere.

We have been running ghpsdr3-alex for the longest time using codec2/codec2-dev again with no referenced to fdmdv2.

fdmdv2 produces the binary "freedv" which uses hamlib and looks like a standalone application that will run any hamlib supported rig from the pull-down list.
If you have hamlib installed -----
Konsole output
slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
2509 SoftRock Si570AVR-USB 0.2 Beta
2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
2516 AE9RB Si570Peaberry V1 0.2 Beta
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73 ... Sid.

On 01/07/15 00:37, Mike Patriot121@... [n2adr-sdr] wrote:
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> running install
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> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@... [n2adr-sdr]
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>> Jim has only produced a module (freedv.so) for quisk from
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>>>> freedv built from fdmdv2-dev source is not used by quisk.
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>>>> On 27/06/15 18:06, Patriot121@... [n2adr-sdr] wrote:
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>>>>> When you built the -dev , where did the freedv.so get _placed_? ...
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>>>>> In freedvpkg/setup.py
>>>>> from distutils.core import setup, Extension
>>>>> import sys

```
>>>>>
>>>>> moduleLinux = Extension ('freedv',
>>>>> libraries = ['m', 'codec2'],
>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
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>>>>> The standalone freedv binary may work with any rig that hamlib
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>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then FDV
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>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
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1480. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 21:17:52 UTC
From: <Patriot121@...>
Topic: 1466 Message: 1480

I couldn't find the same rig control that quisk/fldigi is using ....

Sent by Outlook for Android

On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce g3vbv@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:
755 is file permissions rwxr-xr-x user - read/write/execute, group -
read/execute, other - read/execute.

Forget /usr/local/bin/freedv that is built and installed from fdmdv2 as
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1481. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 21:19:51 UTC
From: <Patriot121@...>
Topic: 1466 Message: 1481

Ok .... iv been trying to get 700 into Quisk the wrong way .....

Which files in the original codec2 folder need to stay when codec2-dev is moved into freedvpkg/codec2 ?

Sent by Outlook for Android

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>>> wrote:
>>>>
>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built
>>>> and quisk uses it.
>>>>
>>>> quisk is built with codec2/codec2-dev which has fdmdv source files
>>>> in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>
>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>> 73 ... Sid.
>>>>
>>>>
>>>> On 27/06/15 18:06, Patriot121@... [n2adr-sdr] wrote:
>>>>>
>>>>> When you built the -dev , where did the freedv.so get _placed_? ...
>>>>>
>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>
>>>>>
>>>>>
>>>>>
>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>

>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>
>>>>> quisk uses the module freedv.so that is built from the freedv.c
>>>>> included.
>>>>>
>>>>> In freedvpkg/setup.py
>>>>> from distutils.core import setup, Extension
>>>>> import sys
>>>>>
>>>>> moduleLinux = Extension ('freedv',
>>>>> libraries = ['m', 'codec2'],
>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
>>>>>)
>>>>>
>>>>> The standalone freedv binary may work with any rig that hamlib
>>>>> knows, quisk doesn't rely on it.
>>>>> 73 ... Sid.
>>>>>
>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>
>>>>>> yea .. the reason you have only 1200 and 1600 is because you
>>>>>> didn't build the -dev of freedv ...
>>>>>>
>>>>>> Id like to try out the newer (not stable - beta) 700 bandwidth ...
>>>>>>
>>>>>> Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L
>>>>>> are coded ....
>>>>>>
>>>>>> I had hoped that they were queried from freedv by quisk .. but so
>>>>>> far all i have is buttons for 1200 1600 and 1000 ... not 700 ...
>>>>>>
>>>>>> sooooo .. hummmm ...?????
>>>>>>
>>>>>>
>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>> quisk's buttons ... my screen size is not being calc'd right or
>>>>>> something ....
>>>>>>
>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...
>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>
>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only bandwidths
>>>>>>>> selectable are 1600 and 1200.
>>>>>>>>

>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>> insights. It's possible that there is leftovers from previous
>>>>>>> installs are causing command line quisk not to enable FDV.
>>>>>>>
>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide while
>>>>>>> Jim's README.txt states 1200.
>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>
>>>>>>> I've also discovered that "python setup.py install" doesn't move
>>>>>>> the hiqsdr directory to
>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then FDV
>>>>>>> is greyed out when the quisk is directory is copied across
>>>>>>> manually and only
>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>
>>>>>>> Don't know how it works for softrock.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 26/06/15 22:43, Mike Patriot121@msn.com
>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>
>>>>>>>> I dont understand ...
>>>>>>>>
>>>>>>>> If quisk has not been built to use freedv ... how does building
>>>>>>>> freedv change/add the freedv button (and modes -- 700,
>>>>>>>> 1200,1400 & 1600) to quisk?
>>>>>>>>
>>>>>>>> Does freedv.so need to be in the quisk folder or the freedvpkg
>>>>>>>> folder ...
>>>>>>>>
>>>>>>>> Should quisk have a "make" done in quisk folder before "python
>>>>>>>> setup.py install"?
>>>>>>>>
>>>>>>>>
>>>>>>>> **********
>>>>>>>>
>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it looks
>>>>>>>> like it installs freedv as a regular program that can be ran
>>>>>>>> ... i cant tell if its doing anything with quisk
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@blueyonder.co.uk
>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>> "make" builds freedv.so
>>>>>>>>>
>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>

>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>
>>>>>>>>> I find executing "quisk" from the command line causes FDV-U to
>>>>>>>>> come up greyed out.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...m
>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>
>>>>>>>>>> Iv build the freedv-dev and it does run with terminal command
>>>>>>>>>> of "freedv"
>>>>>>>>>>
>>>>>>>>>> but im not sure how to get the setup.py in the quisk folder
>>>>>>>>>> to add
>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>> that does that
>>>>>>>>>> part)
>>>>>>>>>>
>>>>>>>>>> --
>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> --
>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>> Senior Staff Specialist, Cricket Coach
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--
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1482. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 22:16:23 UTC
From: Sid Boyce
Topic: 1466 Message: 1482

exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files needed.
A short while ago I did that and built freedv.so and quisk for x86_64 as
freedv.so, _quisk.so and library in freedvpkg/codec2/build_linux/src/ in
the quisk-3.6.22.tar.gz file from Jim are all 32-bit x86.
Konsole output
slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
codec2/build_linux/src/
total 504
drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
libcodec2.so.0.3*
-rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
codec2/build_linux/src/libcodec2.so.0.3
codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared object,
Intel 80386, version 1 (SYSV), dynamically linked,
BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped

I ran make in the freedvpkg directory to build the 64-bit freedv.so
Konsole output
slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped

Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
overwrote Jim's 32-bit _quisk.so
Konsole output
slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so
_quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped

If you want to replace them with the latest codec2-dev you can remove of
move the codec2 directory and either move or copy the codec2-dev
directory into quisk-3.6.22/freedvpkg and rename it codec2.

Run make in freedvpkg to make freedv.so and run make in quisk-3.6.22 to
make _quisk.so, then either "python setup.py install" or "make install".

Konsole output
root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
dynamically linked,
BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped

Konsole output
root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
_quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
dynamically linked,
BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped

fdmdv2
=========
freedv knows about hamlib. I don't have hamlib installed so no rigctl
from hamlib on the ODROID-U3 but I do have wsjtx installed, may be it's
finding the rig using rigctl-wsjtx.

Konsole output
root@odroidu3:~# rigctl-wsjtx -l | grep Si570
2509 SoftRock Si570AVR-USB 0.2 Beta
2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
2516 AE9RB Si570Peaberry V1 0.2 Beta
2517 AE9RB Si570Peaberry V2 0.2 Beta

73 ... Sid.

On 01/07/15 22:19, Patriot121@... [n2adr-sdr] wrote:
>
> Ok .... iv been trying to get 700 into Quisk the wrong way .....
>
> Which files in the original codec2 folder need to stay when codec2-dev
> is moved into freedvpkg/codec2 ?
>
> Sent by Outlook <http://taps.io/outlookmobile> for Android
>
>
>
>
> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce
> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> 755 is file permissions rwxr-xr-x user - read/write/execute, group -
> read/execute, other - read/execute.
>
> Forget /usr/local/bin/freedv that is built and installed from fdmdv2
> as it has nothing to do with quisk and is not mentioned anywhere.
>
> We have been running ghpsdr3-alex for the longest time using
> codec2/codec2-dev again with no referenced to fdmdv2.
>
> fdmdv2 produces the binary "freedv" which uses hamlib and looks like a
> standalone application that will run any hamlib supported rig from the
> pull-down list.
> If you have hamlib installed -----
> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
> 2509 SoftRock Si570AVR-USB 0.2 Beta

> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
> 2516 AE9RB Si570Peaberry V1 0.2 Beta
> 2517 AE9RB Si570Peaberry V2 0.2 Beta
> 73 ... Sid.
>
> On 01/07/15 00:37, Mike Patriot121@... <mailto:Patriot121@...>
> [n2adr-sdr] wrote:
>>
>> whats the reason for setup.py in freedvpkg folder to
>>
>> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$> python
>> setup.py install
>> running install
>> running build
>> running build_py
>> running build_ext
>> running build_scripts
>> running install_lib
>> running install_scripts
>> changing mode of /usr/local/bin/freedv to 755 <------ what is
>> this line doing?-- im not sure what 755 is
>>
>>
>> update of sorts .... running "make" in freedvpkg is the way that
>> freedv.so is built ....
>>
>> Im getting closer ..
>>
>>
>>
>>
>> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@...
>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>> It only changes from FDV-U to FDV-L.
>>>
>>> Jim has only produced a module (freedv.so) for quisk from
>>> codec2/codec2-dev.
>>>
>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk or
>>> ghpsdr3-alex.
>>> 73 ... Sid.
>>>
>>> On 30/06/15 17:43, Mike Patriot121@...
>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>
>>>> do you get a freedv gui when clicking the freedv button ?
>>>>
>>>> On 06/27/2015 01:27 PM, Sid Boyce g3vbv@...
>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:

>>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built
>>>>> and quisk uses it.
>>>>>
>>>>> quisk is built with codec2/codec2-dev which has fdmdv source files
>>>>> in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>>
>>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>>> 73 ... Sid.
>>>>>
>>>>>
>>>>> On 27/06/15 18:06, Patriot121@... <mailto:Patriot121@...>
>>>>> [n2adr-sdr] wrote:
>>>>>>
>>>>>> When you built the -dev , where did the freedv.so get _placed_? ...
>>>>>>
>>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>>> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>
>>>>>> quisk uses the module freedv.so that is built from the freedv.c
>>>>>> included.
>>>>>>
>>>>>> In freedvpkg/setup.py
>>>>>> from distutils.core import setup, Extension
>>>>>> import sys
>>>>>>
>>>>>> moduleLinux = Extension ('freedv',
>>>>>> libraries = ['m', 'codec2'],
>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
>>>>>>)
>>>>>>
>>>>>> The standalone freedv binary may work with any rig that hamlib
>>>>>> knows, quisk doesn't rely on it.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>
>>>>>>> yea .. the reason you have only 1200 and 1600 is because you

>>>>>>> didn't build the -dev of freedv ...
>>>>>>>
>>>>>>> Id like to try out the newer (not stable - beta) 700 bandwidth ...
>>>>>>>
>>>>>>> Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L
>>>>>>> are coded ....
>>>>>>>
>>>>>>> I had hoped that they were queried from freedv by quisk .. but
>>>>>>> so far all i have is buttons for 1200 1600 and 1000 ... not 700 ...
>>>>>>>
>>>>>>> sooooo .. hummmm ...?????
>>>>>>>
>>>>>>>
>>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>>> quisk's buttons ... my screen size is not being calc'd right or
>>>>>>> something ....
>>>>>>>
>>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...
>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>
>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only
>>>>>>>> bandwidths selectable are 1600 and 1200.
>>>>>>>>
>>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>>> insights. It's possible that there is leftovers from previous
>>>>>>>> installs are causing command line quisk not to enable FDV.
>>>>>>>>
>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide while
>>>>>>>> Jim's README.txt states 1200.
>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>
>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>> move the hiqsdr directory to
>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then FDV
>>>>>>>> is greyed out when the quisk is directory is copied across
>>>>>>>> manually and only
>>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>>
>>>>>>>> Don't know how it works for softrock.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>
>>>>>>>>> I dont understand ...
>>>>>>>>>
>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>> building freedv change/add the freedv button (and modes --

>>>>>>>>> 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>
>>>>>>>>> Does freedv.so need to be in the quisk folder or the freedvpkg
>>>>>>>>> folder ...
>>>>>>>>>
>>>>>>>>> Should quisk have a "make" done in quisk folder before "python
>>>>>>>>> setup.py install"?
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> **********
>>>>>>>>>
>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it looks
>>>>>>>>> like it installs freedv as a regular program that can be ran
>>>>>>>>> ... i cant tell if its doing anything with quisk
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...
>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>
>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>
>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>>
>>>>>>>>>> I find executing "quisk" from the command line causes FDV-U
>>>>>>>>>> to come up greyed out.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>
>>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>>
>>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>>> command of "freedv"
>>>>>>>>>>>
>>>>>>>>>>> but im not sure how to get the setup.py in the quisk folder
>>>>>>>>>>> to add
>>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>>> that does that
>>>>>>>>>>> part)
>>>>>>>>>>>
>>>>>>>>>>> --
>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>

>>>>>>>>>> --
>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1483. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 22:42:56 UTC
From: Mike
Topic: 1466 Message: 1483

```
im getting an error when i use the codec2-dev .....

mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$ sudo make
python setup.py build_ext --force --inplace
running build_ext
building 'freedv' extension
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
-O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c ../import_quisk_api.c -o
build/temp.linux-x86_64-2.7/../import_quisk_api.o
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
-O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c freedv.c -o build/temp.linux-x86_64-2.7/freedv.o
freedv.c:7:24: fatal error: freedv_api.h: No such file or directory
#include "freedv_api.h"
^
compilation terminated.
error: command 'x86_64-linux-gnu-gcc' failed with exit status 1
make: *** [all] Error 1
mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$

i might have a bad build of codec2-dev .. need to check , but its
complaining of a missing file .... freeedv_api.h that was in the
original codec2 folder

On 07/01/2015 03:16 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files needed.
> A short while ago I did that and built freedv.so and quisk for x86_64
> as freedv.so, _quisk.so and library in
> freedvpkg/codec2/build_linux/src/ in the quisk-3.6.22.tar.gz file from
> Jim are all 32-bit x86.
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
> codec2/build_linux/src/
> total 504
> drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
> drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
> lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
> libcodec2.so.0.3*
> -rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
> codec2/build_linux/src/libcodec2.so.0.3
> codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared object,
> Intel 80386, version 1 (SYSV), dynamically linked,
> BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped
```

>
> I ran make in the freedvpkg directory to build the 64-bit freedv.so
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
> freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped
>
> Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
> overwrote Jim's 32-bit _quisk.so
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so
> _quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped
>
> If you want to replace them with the latest codec2-dev you can remove
> of move the codec2 directory and either move or copy the codec2-dev
> directory into quisk-3.6.22/freedvpkg and rename it codec2.
>
> Run make in freedvpkg to make freedv.so and run make in quisk-3.6.22
> to make _quisk.so, then either "python setup.py install" or "make
> install".
>
> Konsole output
> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>
> Konsole output
> root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
> _quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped
>
> fdmdv2
> =========
> freedv knows about hamlib. I don't have hamlib installed so no rigctl
> from hamlib on the ODROID-U3 but I do have wsjtx installed, may be
> it's finding the rig using rigctl-wsjtx.
>
> Konsole output
> root@odroidu3:~# rigctl-wsjtx -l | grep Si570
> 2509 SoftRock Si570AVR-USB 0.2 Beta
> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
> 2516 AE9RB Si570Peaberry V1 0.2 Beta
> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>
> 73 ... Sid.

>
> On 01/07/15 22:19, Patriot121@... [n2adr-sdr] wrote:
>>
>> Ok .... iv been trying to get 700 into Quisk the wrong way .....
>>
>> Which files in the original codec2 folder need to stay when
>> codec2-dev is moved into freedvpkg/codec2 ?
>>
>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>
>>
>>
>>
>> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce
>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> 755 is file permissions rwxr-xr-x user - read/write/execute, group -
>> read/execute, other - read/execute.
>>
>> Forget /usr/local/bin/freedv that is built and installed from fdmdv2
>> as it has nothing to do with quisk and is not mentioned anywhere.
>>
>> We have been running ghpsdr3-alex for the longest time using
>> codec2/codec2-dev again with no referenced to fdmdv2.
>>
>> fdmdv2 produces the binary "freedv" which uses hamlib and looks like
>> a standalone application that will run any hamlib supported rig from
>> the pull-down list.
>> If you have hamlib installed -----
>> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
>> 2509 SoftRock Si570AVR-USB 0.2 Beta
>> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
>> 2516 AE9RB Si570Peaberry V1 0.2 Beta
>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>> 73 ... Sid.
>>
>> On 01/07/15 00:37, Mike Patriot121@...
>> <mailto:Patriot121@msn.com> [n2adr-sdr] wrote:
>>>
>>> whats the reason for setup.py in freedvpkg folder to
>>>
>>> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$>
>>> python setup.py install
>>> running install
>>> running build
>>> running build_py
>>> running build_ext
>>> running build_scripts

>>> running install_lib
>>> running install_scripts
>>> changing mode of /usr/local/bin/freedv to 755 <------ what is
>>> this line doing?-- im not sure what 755 is
>>>
>>>
>>> update of sorts .... running "make" in freedvpkg is the way that
>>> freedv.so is built ....
>>>
>>> Im getting closer ..
>>>
>>>
>>>
>>>
>>> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@...
>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>> It only changes from FDV-U to FDV-L.
>>>>
>>>> Jim has only produced a module (freedv.so) for quisk from
>>>> codec2/codec2-dev.
>>>>
>>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk or
>>>> ghpsdr3-alex.
>>>> 73 ... Sid.
>>>>
>>>> On 30/06/15 17:43, Mike Patriot121@...
>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>
>>>>> do you get a freedv gui when clicking the freedv button ?
>>>>>
>>>>> On 06/27/2015 01:27 PM, Sid Boyce g3vbv@blueyonder.co.uk
>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built
>>>>>> and quisk uses it.
>>>>>>
>>>>>> quisk is built with codec2/codec2-dev which has fdmdv source
>>>>>> files in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>>>
>>>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>>
>>>>>> On 27/06/15 18:06, Patriot121@... <mailto:Patriot121@...>
>>>>>> [n2adr-sdr] wrote:
>>>>>>>
>>>>>>> When you built the -dev , where did the freedv.so get _placed_? ...
>>>>>>>
>>>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>>>
>>>>>>>

>>>>>>>
>>>>>>>
>>>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>>>> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>>>> <mailto:n2adr-sdr@...m>> wrote:
>>>>>>>
>>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>>
>>>>>>> quisk uses the module freedv.so that is built from the freedv.c
>>>>>>> included.
>>>>>>>
>>>>>>> In freedvpkg/setup.py
>>>>>>> from distutils.core import setup, Extension
>>>>>>> import sys
>>>>>>>
>>>>>>> moduleLinux = Extension ('freedv',
>>>>>>> libraries = ['m', 'codec2'],
>>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
>>>>>>>)
>>>>>>>
>>>>>>> The standalone freedv binary may work with any rig that hamlib
>>>>>>> knows, quisk doesn't rely on it.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>
>>>>>>>> yea .. the reason you have only 1200 and 1600 is because you
>>>>>>>> didn't build the -dev of freedv ...
>>>>>>>>
>>>>>>>> Id like to try out the newer (not stable - beta) 700 bandwidth ...
>>>>>>>>
>>>>>>>> Im not sure how the bandwidth buttons in qusik more FDV-U/FDU-L
>>>>>>>> are coded ....
>>>>>>>>
>>>>>>>> I had hoped that they were queried from freedv by quisk .. but
>>>>>>>> so far all i have is buttons for 1200 1600 and 1000 ... not 700 ...
>>>>>>>>
>>>>>>>> sooooo .. hummmm ...?????
>>>>>>>>
>>>>>>>>
>>>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>>>> quisk's buttons ... my screen size is not being calc'd right or
>>>>>>>> something ....
>>>>>>>>
>>>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...

>>>>>>>> <mailto:g3vbv@blueyonder.co.uk> [n2adr-sdr] wrote:
>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>
>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only
>>>>>>>> bandwidths selectable are 1600 and 1200.
>>>>>>>>
>>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>>> insights. It's possible that there is leftovers from previous
>>>>>>>> installs are causing command line quisk not to enable FDV.
>>>>>>>>
>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide
>>>>>>>> while Jim's README.txt states 1200.
>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>
>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>> move the hiqsdr directory to
>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then
>>>>>>>> FDV is greyed out when the quisk is directory is copied across
>>>>>>>> manually and only
>>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>>
>>>>>>>> Don't know how it works for softrock.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>
>>>>>>>>> I dont understand ...
>>>>>>>>>
>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>> building freedv change/add the freedv button (and modes --
>>>>>>>>> 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>
>>>>>>>>> Does freedv.so need to be in the quisk folder or the
>>>>>>>>> freedvpkg folder ...
>>>>>>>>>
>>>>>>>>> Should quisk have a "make" done in quisk folder before
>>>>>>>>> "python setup.py install"?
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> **********
>>>>>>>>>
>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it looks
>>>>>>>>> like it installs freedv as a regular program that can be ran
>>>>>>>>> ... i cant tell if its doing anything with quisk
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...

>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>
>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>
>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>>
>>>>>>>>>> I find executing "quisk" from the command line causes FDV-U
>>>>>>>>>> to come up greyed out.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>
>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>> command of "freedv"
>>>>>>>>>>
>>>>>>>>>> but im not sure how to get the setup.py in the quisk folder
>>>>>>>>>> to add
>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>> that does that
>>>>>>>>>> part)
>>>>>>>>>>
>>>>>>>>>> --
>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> --
>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>

--
Mike KC7NOA

1484. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-01 23:03:02 UTC
From: Mike
Topic: 1466 Message: 1484

when i try to make in quisk folder , build complains about missing files ...

freedv_api.h and varicode.h that are saposed to be in src .... they are
not in the recent stable of codec2 (from svn co
https://svn.code.sf.net/p/freetel/code/codec2 codec2)

when i bring these files into the recent (less than an hour old) codec
stable from an older download of quisk.22 that Jim provided it will
build ...

do i need to get a new quisk download .... for these files to not be
needed ....? (because of a new makefile ?)

On 07/01/2015 03:16 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files needed.
> A short while ago I did that and built freedv.so and quisk for x86_64
> as freedv.so, _quisk.so and library in
> freedvpkg/codec2/build_linux/src/ in the quisk-3.6.22.tar.gz file from
> Jim are all 32-bit x86.
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
> codec2/build_linux/src/
> total 504
> drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
> drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
> lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
> libcodec2.so.0.3*
> -rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
> codec2/build_linux/src/libcodec2.so.0.3
> codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared object,
> Intel 80386, version 1 (SYSV), dynamically linked,
> BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped
>
> I ran make in the freedvpkg directory to build the 64-bit freedv.so
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
> freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped
>
> Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
> overwrote Jim's 32-bit _quisk.so
> Konsole output
> slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so

> _quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped
>
> If you want to replace them with the latest codec2-dev you can remove
> of move the codec2 directory and either move or copy the codec2-dev
> directory into quisk-3.6.22/freedvpkg and rename it codec2.
>
> Run make in freedvpkg to make freedv.so and run make in quisk-3.6.22
> to make _quisk.so, then either "python setup.py install" or "make
> install".
>
> Konsole output
> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>
> Konsole output
> root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
> _quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped
>
> fdmdv2
> =========
> freedv knows about hamlib. I don't have hamlib installed so no rigctl
> from hamlib on the ODROID-U3 but I do have wsjtx installed, may be
> it's finding the rig using rigctl-wsjtx.
>
> Konsole output
> root@odroidu3:~# rigctl-wsjtx -l | grep Si570
> 2509 SoftRock Si570AVR-USB 0.2 Beta
> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
> 2516 AE9RB Si570Peaberry V1 0.2 Beta
> 2517 AE9RB Si570Peaberry V2 0.2 Beta
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> 73 ... Sid.
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> On 01/07/15 22:19, Patriot121@msn.com [n2adr-sdr] wrote:
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>> Which files in the original codec2 folder need to stay when
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>>
>>

>>
>> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce
>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> 755 is file permissions rwxr-xr-x user - read/write/execute, group -
>> read/execute, other - read/execute.
>>
>> Forget /usr/local/bin/freedv that is built and installed from fdmdv2
>> as it has nothing to do with quisk and is not mentioned anywhere.
>>
>> We have been running ghpsdr3-alex for the longest time using
>> codec2/codec2-dev again with no referenced to fdmdv2.
>>
>> fdmdv2 produces the binary "freedv" which uses hamlib and looks like
>> a standalone application that will run any hamlib supported rig from
>> the pull-down list.
>> If you have hamlib installed -----
>> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
>> 2509 SoftRock Si570AVR-USB 0.2 Beta
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>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
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>>
>> On 01/07/15 00:37, Mike Patriot121@...
>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>
>>> whats the reason for setup.py in freedvpkg folder to
>>>
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>>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$>
>>> python setup.py install
>>> running install
>>> running build
>>> running build_py
>>> running build_ext
>>> running build_scripts
>>> running install_lib
>>> running install_scripts
>>> changing mode of /usr/local/bin/freedv to 755 <------ what is
>>> this line doing?-- im not sure what 755 is
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>>> freedv.so is built ....
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>>> Im getting closer ..
>>>
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>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>> It only changes from FDV-U to FDV-L.
>>>>
>>>> Jim has only produced a module (freedv.so) for quisk from
>>>> codec2/codec2-dev.
>>>>
>>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk or
>>>> ghpsdr3-alex.
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>>>>>>> g3vbv@... <mailto:g3vbv@blueyonder.co.uk>
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>>>>>>>
>>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>>
>>>>>>> quisk uses the module freedv.so that is built from the freedv.c
>>>>>>> included.
>>>>>>>

>>>>>>> In freedvpkg/setup.py
>>>>>>> from distutils.core import setup, Extension
>>>>>>> import sys
>>>>>>>
>>>>>>> moduleLinux = Extension ('freedv',
>>>>>>> libraries = ['m', 'codec2'],
>>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>>> runtime_library_dirs = ['freedvpkg/codec2/build_linux/src'],
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>>>>>>> The standalone freedv binary may work with any rig that hamlib
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>>>>>>>>>
>>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide

>>>>>>>>> while Jim's README.txt states 1200.
>>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>>
>>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>>> move the hiqsdr directory to
>>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then
>>>>>>>>> FDV is greyed out when the quisk is directory is copied across
>>>>>>>>> manually and only
>>>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>>>
>>>>>>>>> Don't know how it works for softrock.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> I dont understand ...
>>>>>>>>>>
>>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>>> building freedv change/add the freedv button (and modes --
>>>>>>>>>> 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>>
>>>>>>>>>> Does freedv.so need to be in the quisk folder or the
>>>>>>>>>> freedvpkg folder ...
>>>>>>>>>>
>>>>>>>>>> Should quisk have a "make" done in quisk folder before
>>>>>>>>>> "python setup.py install"?
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> **********
>>>>>>>>>>
>>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it looks
>>>>>>>>>> like it installs freedv as a regular program that can be ran
>>>>>>>>>> ... i cant tell if its doing anything with quisk
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...
>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>>>
>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>>>
>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>>>>
>>>>>>>>>>>> I find executing "quisk" from the command line causes FDV-U
>>>>>>>>>>>> to come up greyed out.
>>>>>>>>>>>> 73 ... Sid.

>>>>>>>>>>>
>>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>
>>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>>
>>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>>> command of "freedv"
>>>>>>>>>>>
>>>>>>>>>>> but im not sure how to get the setup.py in the quisk folder
>>>>>>>>>>> to add
>>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>>> that does that
>>>>>>>>>>> part)
>>>>>>>>>>>
>>>>>>>>>>> --
>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> --
>>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>

--
Mike KC7NOA

1485. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 00:55:03 UTC
From: Sid Boyce
Topic: 1466 Message: 1485

The files are in codec2-dev only.
The latest Rev: 2232 fails to build, they did say that codec2-dev may or may not build or work - first time this has happened.
Konsole output

Konsole output ^
freedv.c: In function ?get_snr?:
freedv.c:159:48: error: ?struct freedv? has no member named ?fdmdv_stats?
return PyFloat_FromDouble(quisk_freedv_handle->fdmdv_stats.snr_est);
^
freedv.c:162:1: warning: control reaches end of non-void function
[-Wreturn-type]
}
^
error: command 'gcc' failed with exit status 1
make: *** [all] Error 1

Konsole output
Earlier revs work - Konsole output
Rev: 2137 which I have around works and also Jim's which is obviously from an earlier rev.

The latest codec2-dev is missing fdmdv_stats from src/fdmdv.c, either in error or deliberately because the code has changed since yesterday and freedvpkg/freedv.c does not reflect the change.
fdmdv_stats is now only in stm32/src/ files.
73 ... Sid.

On 02/07/15 00:03, Mike Patriot121@... [n2adr-sdr] wrote:
>
> when i try to make in quisk folder , build complains about missing
> files ...
>
> freedv_api.h and varicode.h that are saposed to be in src .... they
> are not in the recent stable of codec2 (from svn co
> https://svn.code.sf.net/p/freetel/code/codec2 codec2)
>
> when i bring these files into the recent (less than an hour old) codec
> stable from an older download of quisk.22 that Jim provided it will
> build ...
>
> do i need to get a new quisk download .... for these files to not be
> needed ....? (because of a new makefile ?)
>
>
>

>
> On 07/01/2015 03:16 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files
>> needed.
>> A short while ago I did that and built freedv.so and quisk for x86_64
>> as freedv.so, _quisk.so and library in
>> freedvpkg/codec2/build_linux/src/ in the quisk-3.6.22.tar.gz file
>> from Jim are all 32-bit x86.
>> Konsole output
>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
>> codec2/build_linux/src/
>> total 504
>> drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
>> drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
>> lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
>> libcodec2.so.0.3*
>> -rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
>> codec2/build_linux/src/libcodec2.so.0.3
>> codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared
>> object, Intel 80386, version 1 (SYSV), dynamically linked,
>> BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped
>>
>> I ran make in the freedvpkg directory to build the 64-bit freedv.so
>> Konsole output
>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
>> freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>> dynamically linked,
>> BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped
>>
>> Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
>> overwrote Jim's 32-bit _quisk.so
>> Konsole output
>> slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so
>> _quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>> dynamically linked,
>> BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped
>>
>> If you want to replace them with the latest codec2-dev you can remove
>> of move the codec2 directory and either move or copy the codec2-dev
>> directory into quisk-3.6.22/freedvpkg and rename it codec2.
>>
>> Run make in freedvpkg to make freedv.so and run make in quisk-3.6.22
>> to make _quisk.so, then either "python setup.py install" or "make
>> install".
>>
>> Konsole output
>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so

>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>> (SYSV), dynamically linked,
>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>>
>> Konsole output
>> root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
>> _quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>> (SYSV), dynamically linked,
>> BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped
>>
>> fdmdv2
>> =========
>> freedv knows about hamlib. I don't have hamlib installed so no rigctl
>> from hamlib on the ODROID-U3 but I do have wsjtx installed, may be
>> it's finding the rig using rigctl-wsjtx.
>>
>> Konsole output
>> root@odroidu3:~# rigctl-wsjtx -l | grep Si570
>> 2509 SoftRock Si570AVR-USB 0.2 Beta
>> 2511 KTH-SDR kit Si570PIC-USB 0.2
>> Beta
>> 2516 AE9RB Si570Peaberry V1 0.2
>> Beta
>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>>
>> 73 ... Sid.
>>
>> On 01/07/15 22:19, Patriot121@... [n2adr-sdr] wrote:
>>>
>>> Ok .... iv been trying to get 700 into Quisk the wrong way .....
>>>
>>> Which files in the original codec2 folder need to stay when
>>> codec2-dev is moved into freedvpkg/codec2 ?
>>>
>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>
>>>
>>>
>>>
>>> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce
>>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>
>>> 755 is file permissions rwxr-xr-x user - read/write/execute, group
>>> - read/execute, other - read/execute.
>>>
>>> Forget /usr/local/bin/freedv that is built and installed from fdmdv2
>>> as it has nothing to do with quisk and is not mentioned anywhere.
>>>
>>> We have been running ghpsdr3-alex for the longest time using

>>> codec2/codec2-dev again with no referenced to fdmdv2.
>>>
>>> fdmdv2 produces the binary "freedv" which uses hamlib and looks like
>>> a standalone application that will run any hamlib supported rig from
>>> the pull-down list.
>>> If you have hamlib installed -----
>>> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
>>> 2509 SoftRock Si570AVR-USB 0.2 Beta
>>> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
>>> 2516 AE9RB Si570Peaberry V1 0.2 Beta
>>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>>> 73 ... Sid.
>>>
>>> On 01/07/15 00:37, Mike Patriot121@...
>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>
>>>> whats the reason for setup.py in freedvpkg folder to
>>>>
>>>> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>>>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$>
>>>> python setup.py install
>>>> running install
>>>> running build
>>>> running build_py
>>>> running build_ext
>>>> running build_scripts
>>>> running install_lib
>>>> running install_scripts
>>>> changing mode of /usr/local/bin/freedv to 755 <------ what is
>>>> this line doing?-- im not sure what 755 is
>>>>
>>>>
>>>> update of sorts .... running "make" in freedvpkg is the way that
>>>> freedv.so is built ....
>>>>
>>>> Im getting closer ..
>>>>
>>>>
>>>>
>>>>
>>>> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@...
>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>> It only changes from FDV-U to FDV-L.
>>>>>
>>>>> Jim has only produced a module (freedv.so) for quisk from
>>>>> codec2/codec2-dev.
>>>>>
>>>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk or
>>>>> ghpsdr3-alex.
>>>>> 73 ... Sid.

>>>>>
>>>>> On 30/06/15 17:43, Mike Patriot121@...
>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>
>>>>>> do you get a freedv gui when clicking the freedv button ?
>>>>>>
>>>>>> On 06/27/2015 01:27 PM, Sid Boyce g3vbv@...
>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is built
>>>>>>> and quisk uses it.
>>>>>>>
>>>>>>> quisk is built with codec2/codec2-dev which has fdmdv source
>>>>>>> files in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>>>>
>>>>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>>
>>>>>>> On 27/06/15 18:06, Patriot121@...
>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>
>>>>>>>> When you built the -dev , where did the freedv.so get _placed_? ...
>>>>>>>>
>>>>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>>>>> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>
>>>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>>>
>>>>>>>> quisk uses the module freedv.so that is built from the freedv.c
>>>>>>>> included.
>>>>>>>>
>>>>>>>> In freedvpkg/setup.py
>>>>>>>> from distutils.core import setup, Extension
>>>>>>>> import sys
>>>>>>>>
>>>>>>>> moduleLinux = Extension ('freedv',
>>>>>>>> libraries = ['m', 'codec2'],
>>>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>>>> runtime_library_dirs =
>>>>>>>> ['freedvpkg/codec2/build_linux/src'],
>>>>>>>>)

>>>>>>>>
>>>>>>>> The standalone freedv binary may work with any rig that hamlib
>>>>>>>> knows, quisk doesn't rely on it.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>
>>>>>>>>> yea .. the reason you have only 1200 and 1600 is because you
>>>>>>>>> didn't build the -dev of freedv ...
>>>>>>>>>
>>>>>>>>> Id like to try out the newer (not stable - beta) 700
>>>>>>>>> bandwidth ...
>>>>>>>>>
>>>>>>>>> Im not sure how the bandwidth buttons in qusik more
>>>>>>>>> FDV-U/FDU-L are coded ....
>>>>>>>>>
>>>>>>>>> I had hoped that they were queried from freedv by quisk .. but
>>>>>>>>> so far all i have is buttons for 1200 1600 and 1000 ... not
>>>>>>>>> 700 ...
>>>>>>>>>
>>>>>>>>> sooooo .. hummmm ...?????
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>>>>> quisk's buttons ... my screen size is not being calc'd right
>>>>>>>>> or something ....
>>>>>>>>>
>>>>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...
>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>>>>
>>>>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only
>>>>>>>>>>> bandwidths selectable are 1600 and 1200.
>>>>>>>>>>>
>>>>>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>>>>>> insights. It's possible that there is leftovers from previous
>>>>>>>>>>> installs are causing command line quisk not to enable FDV.
>>>>>>>>>>>
>>>>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide
>>>>>>>>>>> while Jim's README.txt states 1200.
>>>>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>>>>
>>>>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>>>>> move the hiqsdr directory to
>>>>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then
>>>>>>>>>>> FDV is greyed out when the quisk is directory is copied
>>>>>>>>>>> across manually and only
>>>>>>>>>>> "python quisk.py" results in it not greyed out.

>>>>>>>>>>
>>>>>>>>>> Don't know how it works for softrock.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> I dont understand ...
>>>>>>>>>>
>>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>>> building freedv change/add the freedv button (and modes --
>>>>>>>>>> 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>>
>>>>>>>>>> Does freedv.so need to be in the quisk folder or the
>>>>>>>>>> freedvpkg folder ...
>>>>>>>>>>
>>>>>>>>>> Should quisk have a "make" done in quisk folder before
>>>>>>>>>> "python setup.py install"?
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> **********
>>>>>>>>>>
>>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it
>>>>>>>>>> looks like it installs freedv as a regular program that can
>>>>>>>>>> be ran ... i cant tell if its doing anything with quisk
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...
>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>>
>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>>
>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>>>
>>>>>>>>>>> I find executing "quisk" from the command line causes FDV-U
>>>>>>>>>>> to come up greyed out.
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>>
>>>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>>>
>>>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>>>> command of "freedv"
>>>>>>>>>>>>

>>>>>>>>>>>>> but im not sure how to get the setup.py in the quisk
>>>>>>>>>>>>> folder to add
>>>>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>>>>> that does that
>>>>>>>>>>>>> part)
>>>>>>>>>>>>>
>>>>>>>>>>>>> --
>>>>>>>>>>>>> Mike KC7NOA
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1486. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 02:12:58 UTC
From: Mike
Topic: 1466 Message: 1486

ok .. so that just not me ,... i get the same error with codec2-dev....
how do you pull older versions with svn ?...

its been longer than yesterday .. from monday i think , or last saturday ...

On 07/01/2015 05:55 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> The files are in codec2-dev only.
> The latest Rev: 2232 fails to build, they did say that codec2-dev may
> or may not build or work - first time this has happened.
> Konsole output
>
> Konsole output ^
> freedv.c: In function ‘get_snr’:
> freedv.c:159:48: error: ‘struct freedv’ has no member named ‘fdmdv_stats’
> return PyFloat_FromDouble(quisk_freedv_handle->fdmdv_stats.snr_est);
> ^
> freedv.c:162:1: warning: control reaches end of non-void function
> [-Wreturn-type]
> }
> ^
> error: command 'gcc' failed with exit status 1
> make: *** [all] Error 1
>
> Konsole output
> Earlier revs work - Konsole output
> Rev: 2137 which I have around works and also Jim's which is obviously
> from an earlier rev.
>
> The latest codec2-dev is missing fdmdv_stats from src/fdmdv.c, either
> in error or deliberately because the code has changed since yesterday
> and freedvpkg/freedv.c does not reflect the change.
> fdmdv_stats is now only in stm32/src/ files.
> 73 ... Sid.
>
> On 02/07/15 00:03, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> when i try to make in quisk folder , build complains about missing
>> files ...
>>
>> freedv_api.h and varicode.h that are saposed to be in src .... they
>> are not in the recent stable of codec2 (from svn co
>> https://svn.code.sf.net/p/freetel/code/codec2 codec2)
>>
>> when i bring these files into the recent (less than an hour old)

>> codec stable from an older download of quisk.22 that Jim provided it
>> will build ...
>>
>> do i need to get a new quisk download .... for these files to not be
>> needed ....? (because of a new makefile ?)
>>
>>
>>
>>
>> On 07/01/2015 03:16 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>
>>> exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files
>>> needed.
>>> A short while ago I did that and built freedv.so and quisk for
>>> x86_64 as freedv.so, _quisk.so and library in
>>> freedvpkg/codec2/build_linux/src/ in the quisk-3.6.22.tar.gz file
>>> from Jim are all 32-bit x86.
>>> Konsole output
>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
>>> codec2/build_linux/src/
>>> total 504
>>> drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
>>> drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
>>> lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
>>> libcodec2.so.0.3*
>>> -rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
>>> codec2/build_linux/src/libcodec2.so.0.3
>>> codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared
>>> object, Intel 80386, version 1 (SYSV), dynamically linked,
>>> BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped
>>>
>>> I ran make in the freedvpkg directory to build the 64-bit freedv.so
>>> Konsole output
>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
>>> freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>>> dynamically linked,
>>> BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped
>>>
>>> Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
>>> overwrote Jim's 32-bit _quisk.so
>>> Konsole output
>>> slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so
>>> _quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>>> dynamically linked,
>>> BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped
>>>
>>> If you want to replace them with the latest codec2-dev you can
>>> remove of move the codec2 directory and either move or copy the

>>> codec2-dev directory into quisk-3.6.22/freedvpkg and rename it codec2.
>>>
>>> Run make in freedvpkg to make freedv.so and run make in quisk-3.6.22
>>> to make _quisk.so, then either "python setup.py install" or "make
>>> install".
>>>
>>> Konsole output
>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
>>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>> (SYSV), dynamically linked,
>>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>>>
>>> Konsole output
>>> root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
>>> _quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>> (SYSV), dynamically linked,
>>> BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped
>>>
>>> fdmdv2
>>> =========
>>> freedv knows about hamlib. I don't have hamlib installed so no
>>> rigctl from hamlib on the ODROID-U3 but I do have wsjtx installed,
>>> may be it's finding the rig using rigctl-wsjtx.
>>>
>>> Konsole output
>>> root@odroidu3:~# rigctl-wsjtx -l | grep Si570
>>> 2509 SoftRock Si570AVR-USB 0.2
>>> Beta
>>> 2511 KTH-SDR kit Si570PIC-USB 0.2
>>> Beta
>>> 2516 AE9RB Si570Peaberry V1 0.2
>>> Beta
>>> 2517 AE9RB Si570Peaberry V2 0.2
>>> Beta
>>>
>>> 73 ... Sid.
>>>
>>> On 01/07/15 22:19, Patriot121@... [n2adr-sdr] wrote:
>>>>
>>>> Ok .... iv been trying to get 700 into Quisk the wrong way .....
>>>>
>>>> Which files in the original codec2 folder need to stay when
>>>> codec2-dev is moved into freedvpkg/codec2 ?
>>>>
>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>
>>>>
>>>>
>>>>
>>>> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce

>>>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>> 755 is file permissions rwxr-xr-x user - read/write/execute, group
>>>> - read/execute, other - read/execute.
>>>>
>>>> Forget /usr/local/bin/freedv that is built and installed from
>>>> fdmdv2 as it has nothing to do with quisk and is not mentioned
>>>> anywhere.
>>>>
>>>> We have been running ghpsdr3-alex for the longest time using
>>>> codec2/codec2-dev again with no referenced to fdmdv2.
>>>>
>>>> fdmdv2 produces the binary "freedv" which uses hamlib and looks
>>>> like a standalone application that will run any hamlib supported
>>>> rig from the pull-down list.
>>>> If you have hamlib installed -----
>>>> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
>>>> 2509 SoftRock Si570AVR-USB 0.2 Beta
>>>> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
>>>> 2516 AE9RB Si570Peaberry V1 0.2 Beta
>>>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>>>> 73 ... Sid.
>>>>
>>>> On 01/07/15 00:37, Mike Patriot121@...
>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>
>>>>> whats the reason for setup.py in freedvpkg folder to
>>>>>
>>>>> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>>>>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$>
>>>>> python setup.py install
>>>>> running install
>>>>> running build
>>>>> running build_py
>>>>> running build_ext
>>>>> running build_scripts
>>>>> running install_lib
>>>>> running install_scripts
>>>>> changing mode of /usr/local/bin/freedv to 755 <------ what is this
>>>>> line doing?-- im not sure what 755 is
>>>>>
>>>>>
>>>>> update of sorts .... running "make" in freedvpkg is the way that
>>>>> freedv.so is built ....
>>>>>
>>>>> Im getting closer ..
>>>>>
>>>>>
>>>>>

>>>>>
>>>>> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@...
>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>> It only changes from FDV-U to FDV-L.
>>>>>>
>>>>>> Jim has only produced a module (freedv.so) for quisk from
>>>>>> codec2/codec2-dev.
>>>>>>
>>>>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk or
>>>>>> ghpsdr3-alex.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 30/06/15 17:43, Mike Patriot121@...
>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>
>>>>>>> do you get a freedv gui when clicking the freedv button ?
>>>>>>>
>>>>>>> On 06/27/2015 01:27 PM, Sid Boyce g3vbv@...
>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is
>>>>>>>>> built and quisk uses it.
>>>>>>>>>
>>>>>>>>> quisk is built with codec2/codec2-dev which has fdmdv source
>>>>>>>>> files in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>>>>>>
>>>>>>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 27/06/15 18:06, Patriot121@...
>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> When you built the -dev , where did the freedv.so get
>>>>>>>>>> _placed_? ...
>>>>>>>>>>
>>>>>>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>>>>>>> g3vbv@....uk <mailto:g3vbv@...>
>>>>>>>>>> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>>>
>>>>>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>>>>>
>>>>>>>>>> quisk uses the module freedv.so that is built from the
>>>>>>>>>> freedv.c included.
>>>>>>>>>>

>>>>>>>>> In freedvpkg/setup.py
>>>>>>>>> from distutils.core import setup, Extension
>>>>>>>>> import sys
>>>>>>>>>
>>>>>>>>> moduleLinux = Extension ('freedv',
>>>>>>>>> libraries = ['m', 'codec2'],
>>>>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>>>>> runtime_library_dirs =
>>>>>>>>> ['freedvpkg/codec2/build_linux/src'],
>>>>>>>>>)
>>>>>>>>>
>>>>>>>>> The standalone freedv binary may work with any rig that hamlib
>>>>>>>>> knows, quisk doesn't rely on it.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> yea .. the reason you have only 1200 and 1600 is because you
>>>>>>>>>> didn't build the -dev of freedv ...
>>>>>>>>>>
>>>>>>>>>> Id like to try out the newer (not stable - beta) 700
>>>>>>>>>> bandwidth ...
>>>>>>>>>>
>>>>>>>>>> Im not sure how the bandwidth buttons in qusik more
>>>>>>>>>> FDV-U/FDU-L are coded ....
>>>>>>>>>>
>>>>>>>>>> I had hoped that they were queried from freedv by quisk ..
>>>>>>>>>> but so far all i have is buttons for 1200 1600 and 1000 ...
>>>>>>>>>> not 700 ...
>>>>>>>>>>
>>>>>>>>>> sooooo .. hummmm ...?????
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>>>>>> quisk's buttons ... my screen size is not being calc'd right
>>>>>>>>>> or something ....
>>>>>>>>>>
>>>>>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...
>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>>>>
>>>>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only
>>>>>>>>>>> bandwidths selectable are 1600 and 1200.
>>>>>>>>>>>
>>>>>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>>>>>> insights. It's possible that there is leftovers from

>>>>>>>>>>> previous installs are causing command line quisk not to
>>>>>>>>>>> enable FDV.
>>>>>>>>>>>
>>>>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide
>>>>>>>>>>> while Jim's README.txt states 1200.
>>>>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>>>>
>>>>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>>>>> move the hiqsdr directory to
>>>>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then
>>>>>>>>>>> FDV is greyed out when the quisk is directory is copied
>>>>>>>>>>> across manually and only
>>>>>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>>>>>
>>>>>>>>>>> Don't know how it works for softrock.
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>
>>>>>>>>>>> I dont understand ...
>>>>>>>>>>>
>>>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>>>> building freedv change/add the freedv button (and modes --
>>>>>>>>>>> 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>>>
>>>>>>>>>>> Does freedv.so need to be in the quisk folder or the
>>>>>>>>>>> freedvpkg folder ...
>>>>>>>>>>>
>>>>>>>>>>> Should quisk have a "make" done in quisk folder before
>>>>>>>>>>> "python setup.py install"?
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> **********
>>>>>>>>>>>
>>>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it
>>>>>>>>>>> looks like it installs freedv as a regular program that can
>>>>>>>>>>> be ran ... i cant tell if its doing anything with quisk
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...
>>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>>>
>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>>>
>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py

>>>>>>>>>>>>>
>>>>>>>>>>>>> I find executing "quisk" from the command line causes
>>>>>>>>>>>>> FDV-U to come up greyed out.
>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>
>>>>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>>>>>> command of "freedv"
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> but im not sure how to get the setup.py in the quisk
>>>>>>>>>>>>>> folder to add
>>>>>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg folder
>>>>>>>>>>>>>> that does that
>>>>>>>>>>>>>> part)
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> --
>>>>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>>>>>
>>>>>>>>>>>>>
>>>>>>>>>>>>>
>>>>>>>>>>>>> --
>>>>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>>>>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>>>>>>>>>
>>>>>>>>>>>> --
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>>>>>
>>>>> --
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> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
Mike KC7NOA

1487. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 20:50:42 UTC
From: Sid Boyce
Topic: 1466 Message: 1487

The last compatible versions is Rev 2134
Konsole output
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev -r2134"
src/fdmdv.c was changed in Rev 2147.
73 ... Sid.

On 02/07/15 03:12, Mike Patriot121@... [n2adr-sdr] wrote:
>
> ok .. so that just not me ,... i get the same error with
> codec2-dev.... how do you pull older versions with svn ?...
>
> its been longer than yesterday .. from monday i think , or last
> saturday ...
>
> On 07/01/2015 05:55 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>>
>> The files are in codec2-dev only.
>> The latest Rev: 2232 fails to build, they did say that codec2-dev may
>> or may not build or work - first time this has happened.
>> Konsole output
>>
>> Konsole output ^
>> freedv.c: In function ?get_snr?:
>> freedv.c:159:48: error: ?struct freedv? has no member named
>> ?fdmdv_stats?
>> return PyFloat_FromDouble(quisk_freedv_handle->fdmdv_stats.snr_est);
>> ^
>> freedv.c:162:1: warning: control reaches end of non-void function
>> [-Wreturn-type]
>> }
>> ^
>> error: command 'gcc' failed with exit status 1
>> make: *** [all] Error 1
>>
>> Konsole output
>> Earlier revs work - Konsole output
>> Rev: 2137 which I have around works and also Jim's which is obviously
>> from an earlier rev.
>>
>> The latest codec2-dev is missing fdmdv_stats from src/fdmdv.c, either
>> in error or deliberately because the code has changed since yesterday
>> and freedvpkg/freedv.c does not reflect the change.
>> fdmdv_stats is now only in stm32/src/ files.
>> 73 ... Sid.

>>
>> On 02/07/15 00:03, Mike Patriot121@... [n2adr-sdr] wrote:
>>>
>>> when i try to make in quisk folder , build complains about missing
>>> files ...
>>>
>>> freedv_api.h and varicode.h that are saposed to be in src .... they
>>> are not in the recent stable of codec2 (from svn co
>>> https://svn.code.sf.net/p/freetel/code/codec2 codec2)
>>>
>>> when i bring these files into the recent (less than an hour old)
>>> codec stable from an older download of quisk.22 that Jim provided it
>>> will build ...
>>>
>>> do i need to get a new quisk download .... for these files to not be
>>> needed ....? (because of a new makefile ?)
>>>
>>>
>>>
>>>
>>> On 07/01/2015 03:16 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>>
>>>> exploding quisk-3.6.22 the freedvpkg/codec2 contains all the files
>>>> needed.
>>>> A short while ago I did that and built freedv.so and quisk for
>>>> x86_64 as freedv.so, _quisk.so and library in
>>>> freedvpkg/codec2/build_linux/src/ in the quisk-3.6.22.tar.gz file
>>>> from Jim are all 32-bit x86.
>>>> Konsole output
>>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #ls -l
>>>> codec2/build_linux/src/
>>>> total 504
>>>> drwxrwxr-x 2 lancelot vboxusers 4096 Apr 29 20:22 ./
>>>> drwxrwxr-x 3 lancelot vboxusers 4096 Apr 29 20:22 ../
>>>> lrwxrwxrwx 1 lancelot vboxusers 16 Apr 15 14:56 libcodec2.so->
>>>> libcodec2.so.0.3*
>>>> -rwxrwxr-x 1 lancelot vboxusers 504804 Apr 15 14:56 libcodec2.so.0.3*
>>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file
>>>> codec2/build_linux/src/libcodec2.so.0.3
>>>> codec2/build_linux/src/libcodec2.so.0.3: ELF 32-bit LSB shared
>>>> object, Intel 80386, version 1 (SYSV), dynamically linked,
>>>> BuildID[sha1]=498863ced7d6f36f2c54274879c0c4ade09b18e0, not stripped
>>>>
>>>> I ran make in the freedvpkg directory to build the 64-bit freedv.so
>>>> Konsole output
>>>> slipstream:/usr/src/YYY/quisk-3.6.22/freedvpkg #file freedv.so
>>>> freedv.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>>>> dynamically linked,
>>>> BuildID[sha1]=3ef058b592b8582e21806cf72dcbd4cdafcb401a, not stripped

>>>>
>>>> Then I ran make in quisk-3.6.22 to build a 64-bit _quisk.so which
>>>> overwrote Jim's 32-bit _quisk.so
>>>> Konsole output
>>>> slipstream:/usr/src/YYY/quisk-3.6.22 #file _quisk.so
>>>> _quisk.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
>>>> dynamically linked,
>>>> BuildID[sha1]=a964c22ec969cc98fc7a58979209915b31c86892, not stripped
>>>>
>>>> If you want to replace them with the latest codec2-dev you can
>>>> remove of move the codec2 directory and either move or copy the
>>>> codec2-dev directory into quisk-3.6.22/freedvpkg and rename it codec2.
>>>>
>>>> Run make in freedvpkg to make freedv.so and run make in
>>>> quisk-3.6.22 to make _quisk.so, then either "python setup.py
>>>> install" or "make install".
>>>>
>>>> Konsole output
>>>> root@odroidu3:/opt/quisk-3.6.22/freedvpkg# file freedv.so
>>>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>>> (SYSV), dynamically linked,
>>>> BuildID[sha1]=d0245f3e288ff324675d6bd81fee85eea040d739, not stripped
>>>>
>>>> Konsole output
>>>> root@odroidu3:/opt/quisk-3.6.22# file _quisk.so
>>>> _quisk.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1
>>>> (SYSV), dynamically linked,
>>>> BuildID[sha1]=e1cde3590ee06062b6b500b5e7d75a4b13c2ffbd, not stripped
>>>>
>>>> fdmdv2
>>>> =========
>>>> freedv knows about hamlib. I don't have hamlib installed so no
>>>> rigctl from hamlib on the ODROID-U3 but I do have wsjtx installed,
>>>> may be it's finding the rig using rigctl-wsjtx.
>>>>
>>>> Konsole output
>>>> root@odroidu3:~# rigctl-wsjtx -l | grep Si570
>>>> 2509 SoftRock Si570AVR-USB 0.2
>>>> Beta
>>>> 2511 KTH-SDR kit Si570PIC-USB 0.2
>>>> Beta
>>>> 2516 AE9RB Si570Peaberry V1 0.2
>>>> Beta
>>>> 2517 AE9RB Si570Peaberry V2 0.2
>>>> Beta
>>>>
>>>> 73 ... Sid.
>>>>
>>>> On 01/07/15 22:19, Patriot121@... [n2adr-sdr] wrote:
>>>>>

>>>>> Ok .... iv been trying to get 700 into Quisk the wrong way .....
>>>>>
>>>>> Which files in the original codec2 folder need to stay when
>>>>> codec2-dev is moved into freedvpkg/codec2 ?
>>>>>
>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>
>>>>>
>>>>>
>>>>>
>>>>> On Wed, Jul 1, 2015 at 1:39 PM -0700, "Sid Boyce
>>>>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>
>>>>> 755 is file permissions rwxr-xr-x user - read/write/execute, group
>>>>> - read/execute, other - read/execute.
>>>>>
>>>>> Forget /usr/local/bin/freedv that is built and installed from
>>>>> fdmdv2 as it has nothing to do with quisk and is not mentioned
>>>>> anywhere.
>>>>>
>>>>> We have been running ghpsdr3-alex for the longest time using
>>>>> codec2/codec2-dev again with no referenced to fdmdv2.
>>>>>
>>>>> fdmdv2 produces the binary "freedv" which uses hamlib and looks
>>>>> like a standalone application that will run any hamlib supported
>>>>> rig from the pull-down list.
>>>>> If you have hamlib installed -----
>>>>> slipstream:/usr/src/XXX/quisk-3.6.22 #rigctl -l|grep -i si570
>>>>> 2509 SoftRock Si570AVR-USB 0.2 Beta
>>>>> 2511 KTH-SDR kit Si570PIC-USB 0.2 Beta
>>>>> 2516 AE9RB Si570Peaberry V1 0.2 Beta
>>>>> 2517 AE9RB Si570Peaberry V2 0.2 Beta
>>>>> 73 ... Sid.
>>>>>
>>>>> On 01/07/15 00:37, Mike Patriot121@...
>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>
>>>>>> whats the reason for setup.py in freedvpkg folder to
>>>>>>
>>>>>> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>>>>>> <mailto:mike@SDR-client:%7E/Downloads/quisk-3.6.22/freedvpkg$>
>>>>>> python setup.py install
>>>>>> running install
>>>>>> running build
>>>>>> running build_py
>>>>>> running build_ext
>>>>>> running build_scripts
>>>>>> running install_lib
>>>>>> running install_scripts

>>>>>> changing mode of /usr/local/bin/freedv to 755 <------ what
>>>>>> is this line doing?-- im not sure what 755 is
>>>>>>
>>>>>>
>>>>>> update of sorts .... running "make" in freedvpkg is the way that
>>>>>> freedv.so is built ....
>>>>>>
>>>>>> Im getting closer ..
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> On 06/30/2015 03:56 PM, Sid Boyce g3vbv@...
>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>> It only changes from FDV-U to FDV-L.
>>>>>>>
>>>>>>> Jim has only produced a module (freedv.so) for quisk from
>>>>>>> codec2/codec2-dev.
>>>>>>>
>>>>>>> fdmdv2 and the freedv binary it builds doesn't figure in quisk
>>>>>>> or ghpsdr3-alex.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 30/06/15 17:43, Mike Patriot121@...
>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>
>>>>>>>> do you get a freedv gui when clicking the freedv button ?
>>>>>>>>
>>>>>>>> On 06/27/2015 01:27 PM, Sid Boyce g3vbv@...
>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>> quisk-3.6.22/freedvpkg/freedv.so stays exactly where it is
>>>>>>>>> built and quisk uses it.
>>>>>>>>>
>>>>>>>>> quisk is built with codec2/codec2-dev which has fdmdv source
>>>>>>>>> files in quisk-3.6.22/freedvpkg/codec2/src/.
>>>>>>>>>
>>>>>>>>> freedv built from fdmdv2-dev source is not used by quisk.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 27/06/15 18:06, Patriot121@...
>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>
>>>>>>>>>> When you built the -dev , where did the freedv.so get
>>>>>>>>>> _placed_? ...
>>>>>>>>>>
>>>>>>>>>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>

>>>>>>>>>>
>>>>>>>>>> On Sat, Jun 27, 2015 at 6:57 AM -0700, "Sid Boyce
>>>>>>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>>>>>>> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>>>
>>>>>>>>>> Now I have 700 and 1600 with fdmdv2-dev
>>>>>>>>>>
>>>>>>>>>> quisk uses the module freedv.so that is built from the
>>>>>>>>>> freedv.c included.
>>>>>>>>>>
>>>>>>>>>> In freedvpkg/setup.py
>>>>>>>>>> from distutils.core import setup, Extension
>>>>>>>>>> import sys
>>>>>>>>>>
>>>>>>>>>> moduleLinux = Extension ('freedv',
>>>>>>>>>> libraries = ['m', 'codec2'],
>>>>>>>>>> sources = ['../import_quisk_api.c', 'freedv.c'],
>>>>>>>>>> include_dirs = ['.', '..', './codec2/src'],
>>>>>>>>>> library_dirs = ['./codec2/build_linux/src'],
>>>>>>>>>> runtime_library_dirs =
>>>>>>>>>> ['freedvpkg/codec2/build_linux/src'],
>>>>>>>>>>)
>>>>>>>>>>
>>>>>>>>>> The standalone freedv binary may work with any rig that
>>>>>>>>>> hamlib knows, quisk doesn't rely on it.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 27/06/15 00:44, Mike Patriot121@...
>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>
>>>>>>>>>>> yea .. the reason you have only 1200 and 1600 is because you
>>>>>>>>>>> didn't build the -dev of freedv ...
>>>>>>>>>>>
>>>>>>>>>>> Id like to try out the newer (not stable - beta) 700
>>>>>>>>>>> bandwidth ...
>>>>>>>>>>>
>>>>>>>>>>> Im not sure how the bandwidth buttons in qusik more
>>>>>>>>>>> FDV-U/FDU-L are coded ....
>>>>>>>>>>>
>>>>>>>>>>> I had hoped that they were queried from freedv by quisk ..
>>>>>>>>>>> but so far all i have is buttons for 1200 1600 and 1000 ...
>>>>>>>>>>> not 700 ...
>>>>>>>>>>>
>>>>>>>>>>> sooooo .. hummmm ...?????
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> On a side note .. i need to look into fixing the spacing of
>>>>>>>>>>> quisk's buttons ... my screen size is not being calc'd right
>>>>>>>>>>> or something ....

>>>>>>>>>>>
>>>>>>>>>>> On 06/26/2015 04:26 PM, Sid Boyce g3vbv@...
>>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>> "make" with the makefile in quisk-3.6.22 executes:-
>>>>>>>>>>> python setup.py build_ext --force --inplace
>>>>>>>>>>>
>>>>>>>>>>> Right clicking on FDV-U changes to FDV-L and the only
>>>>>>>>>>> bandwidths selectable are 1600 and 1200.
>>>>>>>>>>>
>>>>>>>>>>> I'll have a play with the HiQSDR tomorrow to gain better
>>>>>>>>>>> insights. It's possible that there is leftovers from
>>>>>>>>>>> previous installs are causing command line quisk not to
>>>>>>>>>>> enable FDV.
>>>>>>>>>>>
>>>>>>>>>>> freedv have selections for 1400 v0.91, 1600 and 1600 Wide
>>>>>>>>>>> while Jim's README.txt states 1200.
>>>>>>>>>>> I leave freedv.so in the freedvpkg directory.
>>>>>>>>>>>
>>>>>>>>>>> I've also discovered that "python setup.py install" doesn't
>>>>>>>>>>> move the hiqsdr directory to
>>>>>>>>>>> /usr/local/lib/python2.7/site-packages/quisk/ but even then
>>>>>>>>>>> FDV is greyed out when the quisk is directory is copied
>>>>>>>>>>> across manually and only
>>>>>>>>>>> "python quisk.py" results in it not greyed out.
>>>>>>>>>>>
>>>>>>>>>>> Don't know how it works for softrock.
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 26/06/15 22:43, Mike Patriot121@...
>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>>
>>>>>>>>>>>> I dont understand ...
>>>>>>>>>>>>
>>>>>>>>>>>> If quisk has not been built to use freedv ... how does
>>>>>>>>>>>> building freedv change/add the freedv button (and modes
>>>>>>>>>>>> -- 700, 1200,1400 & 1600) to quisk?
>>>>>>>>>>>>
>>>>>>>>>>>> Does freedv.so need to be in the quisk folder or the
>>>>>>>>>>>> freedvpkg folder ...
>>>>>>>>>>>>
>>>>>>>>>>>> Should quisk have a "make" done in quisk folder before
>>>>>>>>>>>> "python setup.py install"?
>>>>>>>>>>>>
>>>>>>>>>>>>
>>>>>>>>>>>> **********
>>>>>>>>>>>>
>>>>>>>>>>>> why is there a setup.py in the freedvpkg folder ? -- it
>>>>>>>>>>>> looks like it installs freedv as a regular program that
>>>>>>>>>>>> can be ran ... i cant tell if its doing anything with quisk
>>>>>>>>>>>>

>>>>>>>>>>>>>
>>>>>>>>>>>>>
>>>>>>>>>>>>>> On 06/26/2015 02:12 PM, Sid Boyce g3vbv@...
>>>>>>>>>>>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>>>>>>>>>>>> quisk-3.6.22/freedvpkg/README.txt
>>>>>>>>>>>>>>> Under sub-heading: Subdirectory codec2
>>>>>>>>>>>>>>> "make" builds freedv.so
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python setup.py install
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> sdrbox:/opt/quisk-3.6.22 #python quisk.py
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> I find executing "quisk" from the command line causes
>>>>>>>>>>>>>>> FDV-U to come up greyed out.
>>>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> On 26/06/15 20:57, Mike Patriot121@...
>>>>>>>>>>>>>>> <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>> How does freedv get added to qusik ...
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>> Iv build the freedv-dev and it does run with terminal
>>>>>>>>>>>>>>>> command of "freedv"
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>> but im not sure how to get the setup.py in the quisk
>>>>>>>>>>>>>>>> folder to add
>>>>>>>>>>>>>>>> freedv ... (or is it the setup.py in the freedvpkg
>>>>>>>>>>>>>>>> folder that does that
>>>>>>>>>>>>>>>> part)
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>> --
>>>>>>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> --
>>>>>>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>>>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>>>>>>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> --
>>>>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>>>>
>>>>>>>>>>>>>
>>>>>>>>>>>>> --
>>>>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>>>>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>>>>>>>>>>>
>>>>>>>>>>> --
>>>>>>>>>>> Mike KC7NOA
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>> --
>>>>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>>>>> Senior Staff Specialist, Cricket Coach
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>>>>>>>>>
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>>>>>>>>
>>>>>>>> --
>>>>>>>> Mike KC7NOA
>>>>>>>
>>>>>>>
>>>>>>> --
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>>>>>> --
>>>>>> Mike KC7NOA
>>>>>
>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>> Senior Staff Specialist, Cricket Coach
>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>> Senior Staff Specialist, Cricket Coach
>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>
>>> --
>>> Mike KC7NOA
>>
>>
>> --

```
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
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```

1488. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 21:00:04 UTC
From: Mike
Topic: 1466 Message: 1488

ok .. i still get this error too ..

even though i do have the latest speex installed from apt-get ...

```
-- Looking for pthread_create in pthread - found
-- Found Threads: TRUE
-- Threads library flags: -lpthread
-- Looking for Speex DSP library.
-- Speex DSP headers: /usr/include
-- Speex DSP library: SPEEXDSP_LIBRARY-NOTFOUND
CMake Error: The following variables are used in this project, but they
are set to NOTFOUND.
Please set them or make sure they are set and tested correctly in the
CMake files:
SPEEXDSP_LIBRARY
linked by target "speexnoisesup" in directory
/home/mike/Downloads/codec2-devinstall/unittest

-- Configuring incomplete, errors occurred!
```

ill cmake with out tests ...

On 07/02/2015 01:50 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> svn co https://svn.code.sf.net/p/freetel/code/codec2-dev -r2134

--
Mike KC7NOA

1489. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 21:13:28 UTC
From: Sid Boyce
Topic: 1466 Message: 1489

Typing make in freedvpkg I got no errors.
On ODROID-U3 I also get no problems which has -r2142.

Konsole output
Last Changed Rev: 2142
Last Changed Date: 2015-05-20 23:50:58 +0100 (mi?, 20 may 2015)

These are the speex packages installed on ODROID-U3.

Konsole output
i libspeex1
- The Speex codec runtime library
i libspeexdsp-dev
- The Speex extended library development files
i libspeexdsp1
- The Speex extended runtime library
73 ... Sid.

On 02/07/15 22:00, Mike Patriot121@... [n2adr-sdr] wrote:
>
> ok .. i still get this error too ..
>
> even though i do have the latest speex installed from apt-get ...
>
> -- Looking for pthread_create in pthread - found
> -- Found Threads: TRUE
> -- Threads library flags: -lpthread
> -- Looking for Speex DSP library.
> -- Speex DSP headers: /usr/include
> -- Speex DSP library: SPEEXDSP_LIBRARY-NOTFOUND
> CMake Error: The following variables are used in this project, but
> they are set to NOTFOUND.
> Please set them or make sure they are set and tested correctly in the
> CMake files:
> SPEEXDSP_LIBRARY
> linked by target "speexnoisesup" in directory
> /home/mike/Downloads/codec2-devinstall/unittest
>
> -- Configuring incomplete, errors occurred!
>
> ill cmake with out tests ...
>
>
> On 07/02/2015 01:50 PM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
>> svn co https://svn.code.sf.net/p/freetel/code/codec2-dev -r2134

>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
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1490. Re: [n2adr-sdr] freedv and Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-02 21:25:31 UTC
From: Sid Boyce
Topic: 1466 Message: 1490

I just updated Kubuntu 15.04 x86_64 to Rev 2142 and that also works.
Konsole output
root@sdrbox:/opt/quisk-3.6.22# dpkg -l|grep speex
ii libspeex-dev:amd64 1.2~rc1.1-1ubuntu1
amd64 The Speex codec library
development files
ii libspeex1:amd64 1.2~rc1.1-1ubuntu1
amd64 The Speex codec runtime library
ii libspeexdsp-dev:amd64 1.2~rc1.1-1ubuntu1
amd64 The Speex extended library
development files
ii libspeexdsp1:amd64 1.2~rc1.1-1ubuntu1
amd64 The Speex extended runtime library
ii python-speex 0.2-1ubuntu7
amd64 python bindings for Speex
ii speex 1.2~rc1.1-1ubuntu1
amd64 The Speex codec command line tools
73 ... Sid.

On 02/07/15 22:13, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> Typing make in freedvpkg I got no errors.
> On ODROID-U3 I also get no problems which has -r2142.
>
> Konsole output
> Last Changed Rev: 2142
> Last Changed Date: 2015-05-20 23:50:58 +0100 (mi?, 20 may 2015)
>
> These are the speex packages installed on ODROID-U3.
>
> Konsole output
> i libspeex1
> -
> The Speex codec runtime library
> i libspeexdsp-dev
> -
> The Speex extended library development files
> i libspeexdsp1
> -
> The Speex extended runtime library
> 73 ... Sid.
>
> On 02/07/15 22:00, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> ok .. i still get this error too ..

>>
>> even though i do have the latest speex installed from apt-get ...
>>
>> -- Looking for pthread_create in pthread - found
>> -- Found Threads: TRUE
>> -- Threads library flags: -lpthread
>> -- Looking for Speex DSP library.
>> -- Speex DSP headers: /usr/include
>> -- Speex DSP library: SPEEXDSP_LIBRARY-NOTFOUND
>> CMake Error: The following variables are used in this project, but
>> they are set to NOTFOUND.
>> Please set them or make sure they are set and tested correctly in the
>> CMake files:
>> SPEEXDSP_LIBRARY
>> linked by target "speexnoisesup" in directory
>> /home/mike/Downloads/codec2-devinstall/unittest
>>
>> -- Configuring incomplete, errors occurred!
>>
>> ill cmake with out tests ...
>>
>>
>> On 07/02/2015 01:50 PM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>> svn co https://svn.code.sf.net/p/freetel/code/codec2-dev -r2134
>>
>> --
>> Mike KC7NOA
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
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>

--
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1491. quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-02 23:55:43 UTC
From: Mike
Topic: 1491 Message: 1491

ok .. so im looking for some help to fix my full screen issues ....

in the two screen shots ... both are the same running quisk ... one is elongated to see the rest of the buttons ....

can anyone point me to a way to make the button test smaller or make buttons "time","test1" and file(play) smaller ?

On 07/02/2015 02:20 PM, Michael Durkin wrote:
>

--
Mike KC7NOA

1492. Re: [n2adr-sdr] quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-02 23:58:16 UTC
From: Mike
Topic: 1491 Message: 1492
Attachments: 2 described; binary payloads are missing from this source WARC

opss .. no screen shots ... maybe now

On 07/02/2015 04:55 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> ok .. so im looking for some help to fix my full screen issues ....
>
> in the two screen shots ... both are the same running quisk ... one is
> elongated to see the rest of the buttons ....
>
> can anyone point me to a way to make the button test smaller or make
> buttons "time","test1" and file(play) smaller ?
>
> On 07/02/2015 02:20 PM, Michael Durkin wrote:
> >
>
> --
> Mike KC7NOA
>
>

--
Mike KC7NOA

1493. Re: [n2adr-sdr] quisk screen issues with freedv [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-07-03 01:10:38 UTC
From: Sid Boyce
Topic: 1491 Message: 1493

Size of screen and resolution?

I am having the same problem with the -C1 and 7" touchscreen (720x480 @ 32bpp) with SDR apps - quisk, rasdr and openHPSDRJ.

I have been searching for a fix for a few days.

On the HiQSDR I am running rasdr on a Raspberry Pi model B with a 7" touchscreen without the problem.
Konsole output
root@raspberrypi:~# fbset

mode "800x480"
geometry 800 480 800 480 16
timings 0 0 0 0 0 0 0
rgba 5/11,6/5,5/0,0/16
endmode

Konsole output
root@odroid-c1:~# fbset

mode "720x480"
geometry 720 480 720 960 32
timings 0 0 0 0 0 0 0
rgba 8/16,8/8,8/0,8/24
endmode

I have been trying fbset with different geometries from /etc/fbmodes but I end up with a scrambled screen.
73 ... Sid.

On 03/07/15 00:58, Mike Patriot121@... [n2adr-sdr] wrote:
>
> opss .. no screen shots ... maybe now
>
> On 07/02/2015 04:55 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>> ?
>>
>> ok .. so im looking for some help to fix my full screen issues ....
>>
>> in the two screen shots ... both are the same running quisk ... one is
>> elongated to see the rest of the buttons ....
>>
>> can anyone point me to a way to make the button test smaller or make
>> buttons "time","test1" and file(play) smaller ?
>>
>> On 07/02/2015 02:20 PM, Michael Durkin wrote:

>> >
>>
>> --
>> Mike KC7NOA
>>
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1494. Re: [n2adr-sdr] quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-03 02:22:24 UTC
From: <Patriot121@...>
Topic: 1491 Message: 1494

Sid .... try

button_font_size= 8 #or 7, think default is 10

In the .quisk_conf.py file .... I'll try when I get some time

Sent by Outlook for Android

On Thu, Jul 2, 2015 at 6:10 PM -0700, "Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:
Size of screen and resolution?

I am having the same problem with the -C1 and 7" touchscreen (720x480 @
32bpp) with SDR apps - quisk, rasdr and openHPSDRJ.

I have been searching for a fix for a few days.

On the HiQSDR I am running rasdr on a Raspberry Pi model B with a 7"
touchscreen without the problem.
Konsole output
root@raspberrypi:~# fbset

mode "800x480"
geometry 800 480 800 480 16
timings 0 0 0 0 0 0 0
rgba 5/11,6/5,5/0,0/16
endmode

Konsole output
root@odroid-c1:~# fbset

mode "720x480"
geometry 720 480 720 960 32
timings 0 0 0 0 0 0 0
rgba 8/16,8/8,8/0,8/24
endmode

I have been trying fbset with different geometries from /etc/fbmodes but
I end up with a scrambled screen.
73 ... Sid.

On 03/07/15 00:58, Mike Patriot121@msn.com [n2adr-sdr] wrote:
>
> opss .. no screen shots ... maybe now
>
> On 07/02/2015 04:55 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>> Â
>>

>> ok .. so im looking for some help to fix my full screen issues ....
>>
>> in the two screen shots ... both are the same running quisk ... one is
>> elongated to see the rest of the buttons ....
>>
>> can anyone point me to a way to make the button test smaller or make
>> buttons "time","test1" and file(play) smaller ?
>>
>> On 07/02/2015 02:20 PM, Michael Durkin wrote:
>> >
>>
>> --
>> Mike KC7NOA
>>
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1495. Re: [n2adr-sdr] quisk screen issues with freedv display

Yahoo group: n2adr-sdr
Date: 2015-07-03 05:23:40 UTC
From: Mike
Topic: 1491 Message: 1495
Attachments: 1 described; binary payloads are missing from this source WARC

ok Sid,

button_font_size= 8

seems about the best for me ..... see screen shot

If anyone else is wondering ... we are using usb based displays on Arm7
....

Im using a iMo (DisplayLink chipset) ... 7" touchpannel, dont rememebr
what Sid is using ....

anyways .. getting better all the time ....

On 07/02/2015 07:22 PM, Patriot121@... [n2adr-sdr] wrote:
> button_font_size= 8

--
Mike KC7NOA

1496. Re: [n2adr-sdr] quisk screen issues with freedv display [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-07-03 11:17:28 UTC
From: Sid Boyce
Topic: 1491 Message: 1496

All my 7" displays are HDMI with USB touch.

The same application running on the Raspberry Pi gives perfect display
at 800x480 16bpp whilst on the ODROID-C1 it's too large at 720x480 32bpp.

I am looking for a resolution that will work, so far both fbset and
xrandr using options from /etc/fb.modes have given me a completely
scrambled screen as though it's failed to sync.

When it boots up lxterminal and any other normal application is OK.
73 ... Sid.

On 03/07/15 06:23, Mike Patriot121@... [n2adr-sdr] wrote:
>
> ok Sid,
>
> button_font_size= 8
>
> seems about the best for me ..... see screen shot
>
> If anyone else is wondering ... we are using usb based displays on Arm7
> ....
>
> Im using a iMo (DisplayLink chipset) ... 7" touchpannel, dont rememebr
> what Sid is using ....
>
> anyways .. getting better all the time ....
>
> On 07/02/2015 07:22 PM, Patriot121@... [n2adr-sdr] wrote:
> > button_font_size= 8
>
> --
> Mike KC7NOA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1497. latest freedv into quisk

Yahoo group: n2adr-sdr
Date: 2015-07-06 03:25:03 UTC
From: Mike
Topic: 1497 Message: 1497

I tried to incoperate the latest freedv into quisk ...

I did a stand alone build of freedv(fdmdv2-dev) that did build and run ....

I renamed the original freedvpkg to freedvKeep and moved fdmdv2-dev
into quisk foler ..

then renamed fdmdv2-dev to freedvpkg ....

then from the freedvkeep folder copied into folder freedvpkg(fdmdv2-dev)

freedv.c
freedv.pyd
init.py
init.pyc
makefile
setup.py

then from freedvpkg(fdmdv2-dev)/codec2/build-linux/codec2-prefix/src/
copied codec2 to folder freedvpkg

then in terminal freedvpkg ran make .. getting error

```
mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$ make
python setup.py build_ext --force --inplace
running build_ext
building 'freedv' extension
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
-O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c ../import_quisk_api.c -o
build/temp.linux-x86_64-2.7/../import_quisk_api.o
x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
-O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
-I/usr/include/python2.7 -c freedv.c -o build/temp.linux-x86_64-2.7/freedv.o
In file included from freedv.c:7:0:
freedv_api.h:44:26: error: field ‘fdmdv_stats’ has incomplete type
struct FDMDV_STATS fdmdv_stats;
^
freedv.c: In function ‘get_snr’:
freedv.c:162:1: warning: control reaches end of non-void function
[-Wreturn-type]
}
^
error: command 'x86_64-linux-gnu-gcc' failed with exit status 1
make: *** [all] Error 1
mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
```

OK .. now i assume that Jim wrote the freedv.c that's in folder freedvpkg ....

Im wondering what changes need to be done to get the latest freedv aka (fdmdv2-dev) to build into quisk ....

I think this process did work with previous versions of freedv ... as seen with my screen capture with 700 as one of the choices for FDV-U (i think i also copyed libcodec2.so from installed area of standalone codec2 - but i guess ill get to that later)

Hope every one doing well .... Mike

--
Mike KC7NOA

1498. Re: [n2adr-sdr] latest freedv into quisk

Yahoo group: n2adr-sdr
Date: 2015-07-06 14:26:41 UTC
From: Sid Boyce
Topic: 1497 Message: 1498

fdmdv2-dev and codec2-dev are not the same, the number of files and
filenames in their src directories are completely different.

Of course fdmdv2-dev would build and work as it's function is to build
the standalone freedv app.

Jim's freedv.c depends on codec2-dev and the latest rev. 2234 is not
compatible with it because
codec2-dev/src/fdmdv.c has been changed upstream.

The latest codec2-dev I have tested that works is rev. 2142. I haven't
checked any later versions other than r2208 which is also incompatible --
see "svn log | less" for all changes.

Almost certainly latest versions of codec2-dev and fdmdv2-dev would work
with quisk as only the header files are used but it would require
rewrites of freedv.c. for either or both.
73 ... Sid.

On 06/07/15 04:25, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I tried to incoperate the latest freedv into quisk ...
>
> I did a stand alone build of freedv(fdmdv2-dev) that did build and run
> ....
>
> I renamed the original freedvpkg to freedvKeep and moved fdmdv2-dev
> into quisk foler ..
>
> then renamed fdmdv2-dev to freedvpkg ....
>
> then from the freedvkeep folder copied into folder freedvpkg(fdmdv2-dev)
>
> freedv.c
> freedv.pyd
> _init_.py
> _init_.pyc
> makefile
> setup.py
>
> then from freedvpkg(fdmdv2-dev)/codec2/build-linux/codec2-prefix/src/
> copied codec2 to folder freedvpkg
>
> then in terminal freedvpkg ran make .. getting error
>
> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$ make

> python setup.py build_ext --force --inplace
> running build_ext
> building 'freedv' extension
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c ../import_quisk_api.c -o
> build/temp.linux-x86_64-2.7/../import_quisk_api.o
> x86_64-linux-gnu-gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv
> -O2 -Wall -Wstrict-prototypes -fPIC -I. -I.. -I./codec2/src
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-x86_64-2.7/freedv.o
> In file included from freedv.c:7:0:
> freedv_api.h:44:26: error: field ‘fdmdv_stats’ has incomplete type
> struct FDMDV_STATS fdmdv_stats;
> ^
> freedv.c: In function ‘get_snr’:
> freedv.c:162:1: warning: control reaches end of non-void function
> [-Wreturn-type]
> }
> ^
> error: command 'x86_64-linux-gnu-gcc' failed with exit status 1
> make: *** [all] Error 1
> mike@SDR-client:~/Downloads/quisk-3.6.22/freedvpkg$
>
> OK .. now i assume that Jim wrote the freedv.c that's in folder
> freedvpkg ....
>
> Im wondering what changes need to be done to get the latest freedv aka
> (fdmdv2-dev) to build into quisk ....
>
> I think this process did work with previous versions of freedv ... as
> seen with my screen capture with 700 as one of the choices for FDV-U (i
> think i also copyed libcodec2.so from installed area of standalone
> codec2 - but i guess ill get to that later)
>
> Hope every one doing well .... Mike
>
> --
> Mike KC7NOA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1499. Re: quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-08 01:08:49 UTC
From: gvjury@...
Topic: 1491 Message: 1499

Did yo guys get your screen resolution sorted out? The parameter I use on my netbook to scale the spectrum to fit the Quisk window is ...

```
# The width of the graph data as a fraction of the total screen size. This
# will be adjusted by Quisk to accommodate preferred FFT sizes. It can
# not be changed once Quisk starts. It can not be made too small because
# of the space needed for all the buttons.
graph_width = 0.65
```

73 Graeme

1500. Re: [n2adr-sdr] Re: quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-08 02:03:20 UTC
From: Sid Boyce
Topic: 1491 Message: 1500

I got a solution from Mike Durkin.
In my case, on a 7" touch screen I had to add a line to ~/.quisk_conf.py.
Konsole output
button_font_size= 5

My screen resolution is 800x480@60 Hz on the ODROID-C1. Buttons are a
bit small but "readable". At size =6 quisk Y and Z sliders appear behind
the right most buttons.

On the standalone HiQSDR rasdr on the Raspberry Pi model B + another 7"
touch screen is crystal clear but on the ODROID-C1 rasdr is massive at
the same 800x480 (advertised spec) compared to what it was at 720x480
but in both cases the waterfall disappears below and is not scrollable.

I'll have a play with graph_width in quisk.
73 ... Sid.

On 08/07/15 02:08, gvjury@... [n2adr-sdr] wrote:
>
> Did yo guys get your screen resolution sorted out? The parameter I use
> on my netbook to scale the spectrum to fit the Quisk window is ...
>
> # The width of the graph data as a fraction of the total screen size.
> This
> # will be adjusted by Quisk to accommodate preferred FFT sizes. It can
> # not be changed once Quisk starts. It can not be made too small because
> # of the space needed for all the buttons.
> graph_width = 0.65
>
> 73 Graeme
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1501. Re: [n2adr-sdr] Re: quisk screen issues with freedv

Yahoo group: n2adr-sdr
Date: 2015-07-08 02:17:27 UTC
From: Mike
Topic: 1491 Message: 1501

My waterfall does not align with the spectrum .. so i don't use the
waterfall any more ...

On 07/07/2015 07:03 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>
> I got a solution from Mike Durkin.
> In my case, on a 7" touch screen I had to add a line to ~/.quisk_conf.py.
> Konsole output
> button_font_size= 5
>
> My screen resolution is 800x480@60 Hz on the ODROID-C1. Buttons are a
> bit small but "readable". At size =6 quisk Y and Z sliders appear
> behind the right most buttons.
>
> On the standalone HiQSDR rasdr on the Raspberry Pi model B + another
> 7" touch screen is crystal clear but on the ODROID-C1 rasdr is massive
> at the same 800x480 (advertised spec) compared to what it was at
> 720x480 but in both cases the waterfall disappears below and is not
> scrollable.
>
> I'll have a play with graph_width in quisk.
> 73 ... Sid.
>
> On 08/07/15 02:08, gvjury@gmail.com [n2adr-sdr] wrote:
>>
>> Did yo guys get your screen resolution sorted out? The parameter I
>> use on my netbook to scale the spectrum to fit the Quisk window is ...
>>
>> # The width of the graph data as a fraction of the total screen
>> size. This
>> # will be adjusted by Quisk to accommodate preferred FFT sizes. It can
>> # not be changed once Quisk starts. It can not be made too small because
>> # of the space needed for all the buttons.
>> graph_width = 0.65
>>
>> 73 Graeme
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

--
Mike KC7NOA

1502. Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-11 14:56:56 UTC
From: jahlstr@...
Topic: 1502 Message: 1502

Quisk now supports a new radio, the HermesLite. If you have a HermesLite, copy hermes/quisk_conf.py to your config file and modify the copy. You should only need to change the soundcard names. If you use Quisk on multiple radios, remember that you can have multiple config files. Use "python quisk.py -c my_config_file.py" or its equivalent to choose among config files. This code is currently under test and may have problems.

The favorites screen now has two more columns for repeater offset and CTCSS tone. See the file quisk_conf_defaults.py. You must set do_repeater_offset=True, and your hardware must be capable of performing the shift.

The FDV feature is now in "final" form. Please see freedvpkg/README.txt. Note that FDV is a moving target.

There is now an option to send radio sound to a UDP device. This is used to send radio sound to SDR hardware that has a built-in codec. See quisk_conf_defaults.py.

The SoftRock hardware file now supports the key line as a PTT button for voice modes. Use this if you have a hardware mic button that you can connect to the key line.

I added the sidetone volume to the HiQSDR control data to accommodate new hardware. I softened the volume controls Vol and Sto for a smoother response. I added the new config file option cw_delay.

Jim

N2ADR

1503. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-12 00:08:53 UTC
From: Mike
Topic: 1502 Message: 1503

I use a UHFSDR, and its quite capable of doing a harware shift of 100Mhz
..... ie change the Si570 to the new frequency and then back ....

im not sure i understand this line in the quisk_conf_defaults.py

Your hardware file must define the method _*RepeaterOffset(self,
offset=None)*_.
do_repeater_offset = False

I have added the line

do_repeater_offset = True

to my /home/.quisk_conf.py file

My UHFSDR uses a Si570 is similar to the Ensemble .... but uses a divide
by 2 rather than a divide by 4 for quadrature ...

Firmware version of the AVR is 15.14 (QRP2000)

On 07/11/2015 07:56 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Quisk now supports a new radio, the HermesLite. If you have a
> HermesLite, copy hermes/quisk_conf.py to your config file and modify
> the copy. You should only need to change the soundcard names. If you
> use Quisk on multiple radios, remember that you can have multiple
> config files. Use "python quisk.py -c my_config_file.py" or its
> equivalent to choose among config files. This code is currently under
> test and may have problems.
>
>
> The favorites screen now has two more columns for repeater offset and
> CTCSS tone. See the file quisk_conf_defaults.py. You must set
> do_repeater_offset=True, and your hardware must be capable of
> performing the shift.
>
>
> The FDV feature is now in "final" form. Please see
> freedvpkg/README.txt. Note that FDV is a moving target.
>
>
> There is now an option to send radio sound to a UDP device. This is
> used to send radio sound to SDR hardware that has a built-in codec.
> See quisk_conf_defaults.py.
>
>
> The SoftRock hardware file now supports the key line as a PTT button

> for voice modes. Use this if you have a hardware mic button that you
> can connect to the key line.
>
>
> I added the sidetone volume to the HiQSDR control data to accommodate
> new hardware. I softened the volume controls Vol and Sto for a
> smoother response. I added the new config file option cw_delay.
>
>
> Jim
>
> N2ADR
>
>
>

--
Mike KC7NOA

1504. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-12 00:24:10 UTC
From: Mike
Topic: 1502 Message: 1504

Opss .. slight mistake

odroid@odroid:~$ usbsoftrock status
Version : 15.15
USB SerialID: PE0FKO-0
Startup Freq: 7.050000 (x 4.00)
Xtall Freq : 114.256413
Smooth Tune : 3500 PPM
Si570 I2C : 55 Hex
BPF Enabled: 0
odroid@odroid:~$

On 07/11/2015 05:08 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> I use a UHFSDR, and its quite capable of doing a harware shift of
> 100Mhz ..... ie change the Si570 to the new frequency and then back ....
>
> im not sure i understand this line in the quisk_conf_defaults.py
>
> Your hardware file must define the method _*RepeaterOffset(self,
> offset=None)*_.
> do_repeater_offset = False
>
>
> I have added the line
>
> do_repeater_offset = True
>
> to my /home/.quisk_conf.py file
>
> My UHFSDR uses a Si570 is similar to the Ensemble .... but uses a
> divide by 2 rather than a divide by 4 for quadrature ...
>
> Firmware version of the AVR is 15.14 (QRP2000)
>
> On 07/11/2015 07:56 AM, jahlstr@... [n2adr-sdr] wrote:
>>
>> Quisk now supports a new radio, the HermesLite. If you have a
>> HermesLite, copy hermes/quisk_conf.py to your config file and modify
>> the copy. You should only need to change the soundcard names. If
>> you use Quisk on multiple radios, remember that you can have multiple
>> config files. Use "python quisk.py -c my_config_file.py" or its
>> equivalent to choose among config files. This code is currently
>> under test and may have problems.
>>

>>
>> The favorites screen now has two more columns for repeater offset and
>> CTCSS tone. See the file quisk_conf_defaults.py. You must set
>> do_repeater_offset=True, and your hardware must be capable of
>> performing the shift.
>>
>>
>> The FDV feature is now in "final" form. Please see
>> freedvpkg/README.txt. Note that FDV is a moving target.
>>
>>
>> There is now an option to send radio sound to a UDP device. This is
>> used to send radio sound to SDR hardware that has a built-in codec.
>> See quisk_conf_defaults.py.
>>
>>
>> The SoftRock hardware file now supports the key line as a PTT button
>> for voice modes. Use this if you have a hardware mic button that you
>> can connect to the key line.
>>
>>
>> I added the sidetone volume to the HiQSDR control data to accommodate
>> new hardware. I softened the volume controls Vol and Sto for a
>> smoother response. I added the new config file option cw_delay.
>>
>>
>> Jim
>>
>> N2ADR
>>
>>
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1505. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-12 01:06:03 UTC
From: jahlstr@...
Topic: 1502 Message: 1505

The RepeaterOffset() is a method (function) that is in the hardware file. I wrote this function for the HiQSDR, but I can not write it for hardware I do not have, such as the UHFSDR. You need to write this yourself, or find a copy on the internet.

Jim
N2ADR

1506. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-12 19:44:59 UTC
From: Mike
Topic: 1502 Message: 1506

I do believe that you already have compatible hardware ....

Sid Boyce G3VBV, sent you a Ensemble RXTX ready built .... its
essentially the same as a UHFSDR as far as Si570 control is concerned.

The standard 10-meter repeater offset is -100 kHz .... well out side of
most soundcards response range and a hardware frequency change would be
needed to use a 10M repeater.

On 07/11/2015 06:06 PM, jahlstr@... [n2adr-sdr] wrote:
>
> The RepeaterOffset() is a method (function) that is in the hardware
> file. I wrote this function for the HiQSDR, but I can not write it
> for hardware I do not have, such as the UHFSDR. You need to write
> this yourself, or find a copy on the internet.
>
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1507. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-13 12:01:28 UTC
From: John Greusel
Topic: 1502 Message: 1507

Jim,
Sorry to bother you with a simple question but I'm trying a Windows install and I don't know where to find hermes/quisk_conf.
Thanks,
John GreuselKC9OJV

From: "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com>
To: n2adr-sdr@yahoogroups.com
Sent: Saturday, July 11, 2015 9:56 AM
Subject: [n2adr-sdr] Quisk 3.7.0 July 2015

  Quisk now supports a new radio, the HermesLite. If you have a HermesLite, copy hermes/quisk_conf.py to your config file and modify the copy. You should only need to change the soundcard names. If you use Quisk on multiple radios, remember that you can have multiple config files. Use "python quisk.py -c my_config_file.py" or its equivalent to choose among config files. This code is currently under test and may have problems.
The favorites screen now has two more columns for repeater offset and CTCSS tone. See the file quisk_conf_defaults.py. You must set do_repeater_offset=True, and your hardware must be capable of performing the shift.
The FDV feature is now in "final" form. Please see freedvpkg/README.txt. Note that FDV is a moving target.
There is now an option to send radio sound to a UDP device. This is used to send radio sound to SDR hardware that has a built-in codec. See quisk_conf_defaults.py.
The SoftRock hardware file now supports the key line as a PTT button for voice modes. Use this if you have a hardware mic button that you can connect to the key line.
I added the sidetone volume to the HiQSDR control data to accommodate new hardware. I softened the volume controls Vol and Sto for a smoother response. I added the new config file option cw_delay.
JimN2ADR

1508. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-13 14:36:01 UTC
From: jahlstr@...
Topic: 1502 Message: 1508

When installing on Windows using the MSI file, Quisk installs as a package. It is in the Python library directory under site-packages/quisk. On my machine that is C:/python27/Lib/site-packages/quisk. Then look in the hermes subdirectory.

Quisk installs itself as a package so it can be used by other programs such as panadapters. But if this is inconvenient, you can use the source distribution, the *.tar.gz file, and install anywhere you want. Then the files are easier to find.

Jim
N2ADR

1509. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-13 14:41:53 UTC
From: jahlstr@...
Topic: 1502 Message: 1509

Oh, the UHFSDR uses Si570 USB control too.

In that case the hardware frequency shift may be a problem. The Si570 can change frequencies fast only for "small" changes. For "large" changes it may need to change the PLL range. It would be necessary to sense when the frequency change was complete, and suppress Tx until that time. I will work on this, but I wouldn't mind if someone could help.

Jim
N2ADR

1510. Re: Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-13 15:05:34 UTC
From: jahlstr@...
Topic: 1502 Message: 1510

There were some problems with 3.7.0. Use the new 3.7.1.instead, and check the file CHANGELOG.txt.

Jim
N2ADR

1511. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-13 15:31:37 UTC
From: Mike
Topic: 1502 Message: 1511

make a tx delay and rx delay adjustable for Si570 to reach its freq ......

the china beofeng has a change over delay of almost half second ---- and
people seem to love that piece of poop.

id guess 100ms is an ok place to start ...

i dont think how large past the large jump in freq is ... im sure that
it will be of little time difference ....
1Mhz or 20Mhz jumps should be the same time for lock to be reached ....

i can only judge from listening. i don't have equipment to measure that ....

On 07/13/2015 07:41 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Oh, the UHFSDR uses Si570 USB control too.
>
>
> In that case the hardware frequency shift may be a problem. The Si570
> can change frequencies fast only for "small" changes. For "large"
> changes it may need to change the PLL range. It would be necessary to
> sense when the frequency change was complete, and suppress Tx until
> that time. I will work on this, but I wouldn't mind if someone could
> help.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1512. DX cluster in Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-21 19:49:12 UTC
From: runeegil@...
Topic: 1512 Message: 1512
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

I try to get DXcluster to run with quisk, however i get an error when open quisk.

My question is:

quisk / HIQSDR is running on 192.168.2.196

My WIFI is running on 192.168.1.XXX do i need to change IP to be in the same subnet ?.

see attachment

73 Rune LA7THA

1513. softrock Tx

Yahoo group: n2adr-sdr
Date: 2015-07-21 20:29:01 UTC
From: Mike
Topic: 1513 Message: 1513

I didnt see in the documentation of how to use the new Tx control from
the ensemble paddle input ....

how is it enabled and which line is used?

--
Mike KC7NOA

1514. Re: DX cluster in Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-21 20:47:38 UTC
From: gvjury@...
Topic: 1512 Message: 1514

Hi Rune long time since we contacted. Back in the old SDRShell days :-)

There are a couple of methods you can use. Here I leave the HIQSDR running on 192.168.2.196 and as I am using a fixed IP address on each computer in my house I change the Netmask to 255.255.252.0 which will allow you to access on subnet 2. It is easyish to change the HiQSDR and probably you should do that in the end but the netmask is an instant fix.

73 Graeme ZL2APV

1515. Re: DX cluster in Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-21 20:58:35 UTC
From: runeegil@...
Topic: 1512 Message: 1515

Hi Graeme

Thanks for quick reply. Yes my softrock and Mobo is still running and all in a cabinet :-)
Now i just got my HIQSDR online after two years in the box. I will try the Netmask but as you mentioned the best is to change the IP on HIQSDR. Not sure how i should do that but i guess its written somewhere.
I am running DL2STG latest firmware xxxxsg-9.

OK, bed time here now and i will continue tomorrow.

73 Rune LA7THA

1516. digital modes

Yahoo group: n2adr-sdr
Date: 2015-07-22 06:20:23 UTC
From: Mike
Topic: 1516 Message: 1516

Is there any chance that DGT- button get a FM selection too ?

Iv got my SDR working on 2M 1.25M and 70cm now and i would like to use soundmodem for packet radio ...

--
Mike KC7NOA

1517. Re: softrock Tx

Yahoo group: n2adr-sdr
Date: 2015-07-23 18:28:14 UTC
From: jahlstr@...
Topic: 1513 Message: 1517

The PTT key line is the tip (not ring) of the key jack.

Jim
N2ADR

1518. Re: digital modes

Yahoo group: n2adr-sdr
Date: 2015-07-23 18:29:48 UTC
From: jahlstr@...
Topic: 1516 Message: 1518

Yes, I see that an FM option for DGT is needed. I will have that in the next release.

Jim
N2ADR

1519. Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-24 17:16:51 UTC
From: jahlstr@...
Topic: 1519 Message: 1519

I made some changes for Hermes-Lite. You must add rx_udp_clock to your config file. You can adjust rx_udp_clock slightly to correct the frequency display. See hermes/quisk_conf.py. I added Hermes_BandDict to the config file. It controls the bits on the J16 connector of the Hermes-Lite.

Quisk will now keep the same filter for a given mode when changing bands. I added RepeaterOffset() to the softrock hardware file so that repeater offsets work. I added mode DGT-FM for digital FM modes.

Jim

1520. Re: digital modes

Yahoo group: n2adr-sdr
Date: 2015-07-24 17:17:32 UTC
From: jahlstr@...
Topic: 1516 Message: 1520

This is inQuisk 3.7.2.

Jim

1521. Re: [n2adr-sdr] Quisk 3.7.0 July 2015

Yahoo group: n2adr-sdr
Date: 2015-07-24 17:27:53 UTC
From: jahlstr@...
Topic: 1502 Message: 1521

This feature is now in Quisk 3.7.2.

Jim

1522. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-24 19:09:40 UTC
From: Mike
Topic: 1519 Message: 1522

was that the usb_hardware.py in softrock folder ?

On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>
> I made some changes for Hermes-Lite. You must add rx_udp_clock to
> your config file. You can adjust rx_udp_clock slightly to correct the
> frequency display. See hermes/quisk_conf.py. I added Hermes_BandDict
> to the config file. It controls the bits on the J16 connector of the
> Hermes-Lite.
>
>
> Quisk will now keep the same filter for a given mode when changing
> bands. I added RepeaterOffset() to the softrock hardware file so that
> repeater offsets work. I added mode DGT-FM for digital FM modes.
>
>
> Jim
>
>
>

--
Mike KC7NOA

1523. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-24 22:57:05 UTC
From: jahlstr@...
Topic: 1519 Message: 1523

I meant that repeater offsets should now work. And I added DGT-FM.

Jim

1524. Re: Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 01:18:33 UTC
From: gvjury@...
Topic: 1519 Message: 1524

Hi Jim,

Yet again thanks for all the work you are putting into Quisk. My Hermes-Lite is unavailable at present due to mods (ongoing process) but the HiQSDR is working just fine with 3.7.2.

I was inspired to set up a startup menu with the new release and using your startup.py as a model I changed it to match my hardware. I got it to go OK but thought I would mention a couple of things about the list box.

To avoid the bottom choice being partly obscured I needed to add a blank line e.g.
(' HermesLite', 'zl2apv/quisk_conf_HL.py', ''),
('','',''),
]

The first choice in the list is highlighted but not selected so a return won't implement the selection, nor will arrow keys step down from it until it has been clicked to select.

I could be way off target here as this is only my second look into a Python program although it seemed pretty intuitive after I figured out that white space and indenting were there for more than pretty code.

tnx es 73, Graeme zl2apv

1525. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 03:04:48 UTC
From: Mike
Topic: 1519 Message: 1525

Tried to use the new version ... im getting a syntax error in
hardware_usb.py ... that might be my fault ...

also that when i tried to reconfigure in quisk folder .... i usally
always need to do that because im running Arm7 and not an intel based
puter .... anyways i get version failure with autoreconf complaining
that my 2.1 version is too old and it wants 2.8 and 2.9

Im just going by memory at teh moment .. i just got done working on our
(ok Wife's car) fo almost 2 days (man Toyota's way to water pump/serp
belt is sill) and i tried the new version while the oil was draining...

what else there to use for reconfiguring ?

sourceforge is working for autoreconf but shows version 0.0.0.1 as
latest ... that ain't right ...

On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>
> I made some changes for Hermes-Lite. You must add rx_udp_clock to
> your config file. You can adjust rx_udp_clock slightly to correct the
> frequency display. See hermes/quisk_conf.py. I added Hermes_BandDict
> to the config file. It controls the bits on the J16 connector of the
> Hermes-Lite.
>
>
> Quisk will now keep the same filter for a given mode when changing
> bands. I added RepeaterOffset() to the softrock hardware file so that
> repeater offsets work. I added mode DGT-FM for digital FM modes.
>
>
> Jim
>
>
>

--
Mike KC7NOA

1526. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 03:54:18 UTC
From: Mike
Topic: 1519 Message: 1526

```
OK .. i installed a standalone of autoconf .... but ./configure still
complains ...

odroid@odroid:~/Downloads/quisk$ autoreconf -i
aclocal: warning: autoconf input should be named 'configure.ac', not
'configure.in'
configure.in:2873: warning: macro 'AM_PATH_GTK' not found in library
configure.in:2876: warning: macro 'AM_PATH_GTK' not found in library
configure.in:8429: warning: macro 'AM_PATH_CPPUNIT' not found in library
FATAL ERROR: Autoconf version 2.58 or higher is required for this script
ls: cannot access ./acinclude.m4: No such file or directory
FATAL ERROR: Autoconf version 2.58 or higher is required for this script
FATAL ERROR: Autoconf version 2.59 or higher is required for this script
FATAL ERROR: Autoconf version 2.59 or higher is required for this script
odroid@odroid:~/Downloads/quisk$ ./configure
-bash: ./configure: No such file or directory
odroid@odroid:~/Downloads/quisk$ dpkg -s Autoconf
Package: autoconf
Status: install ok installed
Priority: optional
Section: devel
Installed-Size: 1890
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
Architecture: all
Multi-Arch: foreign
Version: 2.69-6
Depends: perl (>> 5.005), m4 (>= 1.4.13), debianutils (>= 1.8)
Recommends: automake | automaken
Suggests: autoconf2.13, autoconf-archive, gnu-standards, autoconf-doc,
libtool, gettext
Breaks: autoconf2.13 (<< 2.13-47), gettext (<< 0.10.39), pkg-config (<<
0.25-1.1)
Conffiles:
/etc/emacs/site-start.d/50autoconf.el 297521889d690871ec9d89c5eeff745a
Description: automatic configure script builder
The standard for FSF source packages. This is only useful if you
write your own programs or if you extensively modify other people's
programs.
.
For an extensive library of additional Autoconf macros, install the
`autoconf-archive' package.
.
This version of autoconf is not compatible with scripts meant for
Autoconf 2.13 or earlier. If you need support for such scripts,
you must also install the autoconf2.13 package.
```

Original-Maintainer: Ben Pfaff <pfaffben@...>
Homepage: http://www.gnu.org/software/autoconf/
odroid@odroid:~/Downloads/quisk$ sudo apt-get install autoconf2.13
[sudo] password for odroid:
Reading package lists... Done
Building dependency tree
Reading state information... Done
autoconf2.13 is already the newest version.
The following package was automatically installed and is no longer required:
libhamlib-utils
Use 'apt-get autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
odroid@odroid:~/Downloads/quisk$

Id swear that i have version 2.69 installed ...

Oh well .. Im sure Sid will chime in and point me at what im overlooking
....

On 07/24/2015 08:04 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Tried to use the new version ... im getting a syntax error in
> hardware_usb.py ... that might be my fault ...
>
> also that when i tried to reconfigure in quisk folder .... i usally
> always need to do that because im running Arm7 and not an intel based
> puter .... anyways i get version failure with autoreconf complaining
> that my 2.1 version is too old and it wants 2.8 and 2.9
>
> Im just going by memory at teh moment .. i just got done working on
> our (ok Wife's car) fo almost 2 days (man Toyota's way to water
> pump/serp belt is sill) and i tried the new version while the oil was
> draining...
>
> what else there to use for reconfiguring ?
>
> sourceforge is working for autoreconf but shows version 0.0.0.1 as
> latest ... that ain't right ...
>
> On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>>
>> I made some changes for Hermes-Lite. You must add rx_udp_clock to
>> your config file. You can adjust rx_udp_clock slightly to correct
>> the frequency display. See hermes/quisk_conf.py. I added
>> Hermes_BandDict to the config file. It controls the bits on the J16
>> connector of the Hermes-Lite.
>>
>>
>> Quisk will now keep the same filter for a given mode when changing
>> bands. I added RepeaterOffset() to the softrock hardware file so
>> that repeater offsets work. I added mode DGT-FM for digital FM modes.

>>
>>
>> Jim
>>
>>
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1527. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 04:52:05 UTC
From: Mike
Topic: 1519 Message: 1527

```
and here is my syntax error .... still might be related to my autoreonf
-i version error ....

odroid@odroid:~/Downloads/quisk7$ sudo python setup.py install
running install
running build
running build_py
copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
running build_ext
running build_scripts
running install_lib
copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
/usr/local/lib/python2.7/dist-packages/quisk
byte-compiling
/usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py to
hardware_usb.pyc
File
"/usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py",
line 108
if time.time() > self.repeater_time0 + self.repeater_delay
^
SyntaxError: invalid syntax

byte-compiling /usr/local/lib/python2.7/dist-packages/quisk/__init__.py
to __init__.pyc
running install_scripts
changing mode of /usr/local/bin/quisk to 755
running install_egg_info
Removing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
Writing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
odroid@odroid:~/Downloads/quisk7$

just take it with a grain of salt ....

On 07/24/2015 08:54 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> OK .. i installed a standalone of autoconf .... but ./configure still
> complains ...
>
> odroid@odroid:~/Downloads/quisk$ autoreconf -i
> aclocal: warning: autoconf input should be named 'configure.ac', not
> 'configure.in'
> configure.in:2873: warning: macro 'AM_PATH_GTK' not found in library
> configure.in:2876: warning: macro 'AM_PATH_GTK' not found in library
> configure.in:8429: warning: macro 'AM_PATH_CPPUNIT' not found in library
> FATAL ERROR: Autoconf version 2.58 or higher is required for this script
```

> ls: cannot access ./acinclude.m4: No such file or directory
> FATAL ERROR: Autoconf version 2.58 or higher is required for this script
> FATAL ERROR: Autoconf version 2.59 or higher is required for this script
> FATAL ERROR: Autoconf version 2.59 or higher is required for this script
> odroid@odroid:~/Downloads/quisk$ ./configure
> -bash: ./configure: No such file or directory
> odroid@odroid:~/Downloads/quisk$ dpkg -s Autoconf
> Package: autoconf
> Status: install ok installed
> Priority: optional
> Section: devel
> Installed-Size: 1890
> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
> Architecture: all
> Multi-Arch: foreign
> Version: 2.69-6
> Depends: perl (>> 5.005), m4 (>= 1.4.13), debianutils (>= 1.8)
> Recommends: automake | automaken
> Suggests: autoconf2.13, autoconf-archive, gnu-standards, autoconf-doc,
> libtool, gettext
> Breaks: autoconf2.13 (<< 2.13-47), gettext (<< 0.10.39), pkg-config
> (<< 0.25-1.1)
> Conffiles:
> /etc/emacs/site-start.d/50autoconf.el 297521889d690871ec9d89c5eeff745a
> Description: automatic configure script builder
> The standard for FSF source packages. This is only useful if you
> write your own programs or if you extensively modify other people's
> programs.
> .
> For an extensive library of additional Autoconf macros, install the
> `autoconf-archive' package.
> .
> This version of autoconf is not compatible with scripts meant for
> Autoconf 2.13 or earlier. If you need support for such scripts,
> you must also install the autoconf2.13 package.
> Original-Maintainer: Ben Pfaff <pfaffben@...>
> Homepage: http://www.gnu.org/software/autoconf/
> odroid@odroid:~/Downloads/quisk$ sudo apt-get install autoconf2.13
> [sudo] password for odroid:
> Reading package lists... Done
> Building dependency tree
> Reading state information... Done
> autoconf2.13 is already the newest version.
> The following package was automatically installed and is no longer
> required:
> libhamlib-utils
> Use 'apt-get autoremove' to remove it.
> 0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
> odroid@odroid:~/Downloads/quisk$
>

>
>
> Id swear that i have version 2.69 installed ...
>
> Oh well .. Im sure Sid will chime in and point me at what im
> overlooking ....
>
>
>
> On 07/24/2015 08:04 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>
>> Tried to use the new version ... im getting a syntax error in
>> hardware_usb.py ... that might be my fault ...
>>
>> also that when i tried to reconfigure in quisk folder .... i usally
>> always need to do that because im running Arm7 and not an intel based
>> puter .... anyways i get version failure with autoreconf complaining
>> that my 2.1 version is too old and it wants 2.8 and 2.9
>>
>> Im just going by memory at teh moment .. i just got done working on
>> our (ok Wife's car) fo almost 2 days (man Toyota's way to water
>> pump/serp belt is sill) and i tried the new version while the oil was
>> draining...
>>
>> what else there to use for reconfiguring ?
>>
>> sourceforge is working for autoreconf but shows version 0.0.0.1 as
>> latest ... that ain't right ...
>>
>> On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>>>
>>> I made some changes for Hermes-Lite. You must add rx_udp_clock to
>>> your config file. You can adjust rx_udp_clock slightly to correct
>>> the frequency display. See hermes/quisk_conf.py. I added
>>> Hermes_BandDict to the config file. It controls the bits on the J16
>>> connector of the Hermes-Lite.
>>>
>>>
>>> Quisk will now keep the same filter for a given mode when changing
>>> bands. I added RepeaterOffset() to the softrock hardware file so
>>> that repeater offsets work. I added mode DGT-FM for digital FM modes.
>>>
>>>
>>> Jim
>>>
>>>
>>
>> --
>> Mike KC7NOA
>

> --
> Mike KC7NOA
>

--
Mike KC7NOA

1528. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 08:26:42 UTC
From: Sid Boyce
Topic: 1519 Message: 1528

```
In freedvpkg directory I removed the x86 libcodec2* and ran make.
Konsole output
root@odroidu3:/opt/quisk-3.7.2/freedvpkg# file freedv.so
freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
dynamically linked,
BuildID[sha1]=9e2d7232707e12bd8444f1ccdbad5ebf91523086, not stripped
root@odroidu3:/opt/quisk-3.7.2/freedvpkg# ldd freedv.so
libcodec2.so.0.3 =>
/usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.3 (0xb6e53000)
libpthread.so.0 => /lib/arm-linux-gnueabihf/libpthread.so.0
(0xb6e37000)
libc.so.6 => /lib/arm-linux-gnueabihf/libc.so.6 (0xb6d50000)
libm.so.6 => /lib/arm-linux-gnueabihf/libm.so.6 (0xb6ce4000)
/lib/ld-linux-armhf.so.3 (0xb6ef5000)
root@odroidu3:/opt/quisk-3.7.2/freedvpkg#
In /opt/quisk-3.7.2 I then ran "make && python setup.py install"
73 ... Sid.

On 25/07/15 05:52, Mike Patriot121@... [n2adr-sdr] wrote:
>
> and here is my syntax error .... still might be related to my
> autoreonf -i? ? version error ....
>
> odroid@odroid:~/Downloads/quisk7$ sudo python setup.py install
> running install
> running build
> running build_py
> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> running build_ext
> running build_scripts
> running install_lib
> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> /usr/local/lib/python2.7/dist-packages/quisk
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py
> to hardware_usb.pyc
> ? File
> "/usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py",
> line 108
> ? ? ? if time.time() > self.repeater_time0 + self.repeater_delay
> ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
? ? ? ? ? ? ? ? ? ? ? ? ? ? ? 
> ^
> SyntaxError: invalid syntax
>
```

```
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> running install_scripts
> changing mode of /usr/local/bin/quisk to 755
> running install_egg_info
> Removing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
> Writing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
> odroid@odroid:~/Downloads/quisk7$
>
>
> just take it with a grain of salt ....
>
> On 07/24/2015 08:54 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>> ?
>>
>> OK .. i installed a standalone of autoconf .... but ./configure still
>> complains ...
>>
>> odroid@odroid:~/Downloads/quisk$ autoreconf -i
>> aclocal: warning: autoconf input should be named 'configure.ac', not
>> 'configure.in'
>> configure.in:2873: warning: macro 'AM_PATH_GTK' not found in library
>> configure.in:2876: warning: macro 'AM_PATH_GTK' not found in library
>> configure.in:8429: warning: macro 'AM_PATH_CPPUNIT' not found in library
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>> Package: autoconf
>> Status: install ok installed
>> Priority: optional
>> Section: devel
>> Installed-Size: 1890
>> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
>> Architecture: all
>> Multi-Arch: foreign
>> Version: 2.69-6
>> Depends: perl (>> 5.005), m4 (>= 1.4.13), debianutils (>= 1.8)
>> Recommends: automake | automaken
>> Suggests: autoconf2.13, autoconf-archive, gnu-standards,
>> autoconf-doc, libtool, gettext
>> Breaks: autoconf2.13 (<< 2.13-47), gettext (<< 0.10.39), pkg-config
>> (<< 0.25-1.1)
>> Conffiles:
>> ? /etc/emacs/site-start.d/50autoconf.el 297521889d690871ec9d89c5eeff745a
>> Description: automatic configure script builder
```

>> ? The standard for FSF source packages.? This is only useful if you
>> ? write your own programs or if you extensively modify other people's
>> ? programs.
>> ? .
>> ? For an extensive library of additional Autoconf macros, install the
>> ? `autoconf-archive' package.
>> ? .
>> ? This version of autoconf is not compatible with scripts meant for
>> ? Autoconf 2.13 or earlier.? If you need support for such scripts,
>> ? you must also install the autoconf2.13 package.
>> Original-Maintainer: Ben Pfaff <pfaffben@...>
>> Homepage: http://www.gnu.org/software/autoconf/
>> odroid@odroid:~/Downloads/quisk$ sudo apt-get install autoconf2.13
>> [sudo] password for odroid:
>> Reading package lists... Done
>> Building dependency tree? ? ? ? ? ?
>> Reading state information... Done
>> autoconf2.13 is already the newest version.
>> The following package was automatically installed and is no longer
>> required:
>> ? libhamlib-utils
>> Use 'apt-get autoremove' to remove it.
>> 0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
>> odroid@odroid:~/Downloads/quisk$
>>
>>
>>
>> Id swear that i have version 2.69 installed ...
>>
>> Oh well .. Im sure Sid will chime in and point me at what im
>> overlooking ....
>>
>>
>>
>> On 07/24/2015 08:04 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>> ?
>>>
>>> Tried to use the new version ... im getting a syntax error in
>>> hardware_usb.py ... that might be my fault ...
>>>
>>> also that when i tried to reconfigure in quisk folder .... i usally
>>> always need to do that because im running Arm7 and not an intel
>>> based puter .... anyways i get version failure with autoreconf
>>> complaining that my 2.1 version is too old and it wants 2.8 and 2.9
>>>
>>> Im just going by memory at teh moment .. i just got done working on
>>> our (ok Wife's car) fo almost 2 days (man Toyota's way to water
>>> pump/serp belt is sill) and i tried the new version while the oil
>>> was draining...
>>>

>>> what else there to use for reconfiguring ?
>>>
>>> sourceforge is working for autoreconf but shows version 0.0.0.1 as
>>> latest ... that ain't right ...
>>>
>>> On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>>>> ?
>>>>
>>>> I made some changes for Hermes-Lite. ? You must add rx_udp_clock to
>>>> your config file. ? You can adjust rx_udp_clock slightly to correct
>>>> the frequency display. ? See hermes/quisk_conf.py. ? I added
>>>> Hermes_BandDict to the config file. ? It controls the bits on the
>>>> J16 connector of the Hermes-Lite.
>>>>
>>>>
>>>> Quisk will now keep the same filter for a given mode when changing
>>>> bands. ? I added RepeaterOffset() to the softrock hardware file so
>>>> that repeater offsets work. ? I added mode DGT-FM for digital FM modes.
>>>>
>>>>
>>>> Jim
>>>>
>>>>
>>>
>>> --
>>> Mike KC7NOA
>>
>> --
>> Mike KC7NOA
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1529. Re: Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 08:29:24 UTC
From: gvjury@...
Topic: 1519 Message: 1529

Hi Jim et al,

Got my Hermes-Lite back together and finished testing. Everything went as advertised. The filter holding its settings through the bands is something I was going to ask for and is a great help. Both HiQSDR and Hermes running perfectly and selectable through your startup app.

Mike I wish I could be of some use to you but only just got my arm machine so no experience yet. Guess you will have to wait for Sid.

73, Graeme zl2apv

1530. Re: Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 10:59:39 UTC
From: jahlstr@...
Topic: 1519 Message: 1530

Hi,

You are the first to mention startup.py!

On my machine, I need to select a line with the mouse, and then up/down keys work.

My Hermes-Lite is not working either. Somehow, DHCP stopped working.

Jim
N2ADR

1531. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 11:01:49 UTC
From: jahlstr@...
Topic: 1519 Message: 1531

The syntax error is a bug. Download 3.7.2 again and it should work.

Jim
N2ADR

1532. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 11:03:54 UTC
From: jahlstr@...
Topic: 1519 Message: 1532

I don't know about this. Quisk only uses "make", and has no configure file.

Jim
N2ADR

1533. Re: Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 11:12:23 UTC
From: gvjury@...
Topic: 1519 Message: 1533

Does DHCP work with the Hermes board unplugged? Steve has a test mode which detects no HL present. If related to HL board then I guess the magnifying glass is your friend. Good luck.

Graeme

1534. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 13:19:14 UTC
From: Mike
Topic: 1519 Message: 1534

I didint use the freedv that came with 3.7.2 .... i trashed it and
copied my 3.7.1 that worked with bootstraped stuff ....

im getting an version issue with autoreconf and this syntax error....

On 07/25/2015 01:26 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> In freedvpkg directory I removed the x86 libcodec2* and ran make.
> Konsole output
> root@odroidu3:/opt/quisk-3.7.2/freedvpkg# file freedv.so
> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=9e2d7232707e12bd8444f1ccdbad5ebf91523086, not stripped
> root@odroidu3:/opt/quisk-3.7.2/freedvpkg# ldd freedv.so
> libcodec2.so.0.3 =>
> /usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.3 (0xb6e53000)
> libpthread.so.0 => /lib/arm-linux-gnueabihf/libpthread.so.0
> (0xb6e37000)
> libc.so.6 => /lib/arm-linux-gnueabihf/libc.so.6 (0xb6d50000)
> libm.so.6 => /lib/arm-linux-gnueabihf/libm.so.6 (0xb6ce4000)
> /lib/ld-linux-armhf.so.3 (0xb6ef5000)
> root@odroidu3:/opt/quisk-3.7.2/freedvpkg#
> In /opt/quisk-3.7.2 I then ran "make && python setup.py install"
> 73 ... Sid.
>
> On 25/07/15 05:52, Mike Patriot121@msn.com [n2adr-sdr] wrote:
>> and here is my syntax error .... still might be related to my
>> autoreonf -iÂ Â version error ....
>>
>> odroid@odroid:~/Downloads/quisk7$ sudo python setup.py install
>> running install
>> running build
>> running build_py
>> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
>> running build_ext
>> running build_scripts
>> running install_lib
>> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
>> /usr/local/lib/python2.7/dist-packages/quisk
>> byte-compiling
>> /usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py
>> to hardware_usb.pyc
>> Â File
>> "/usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py",
>> line 108
>> Â Â Â if time.time() > self.repeater_time0 + self.repeater_delay

>> Â
Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â
>> ^
>> SyntaxError: invalid syntax
>>
>> byte-compiling
>> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
>> running install_scripts
>> changing mode of /usr/local/bin/quisk to 755
>> running install_egg_info
>> Removing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
>> Writing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
>> odroid@odroid:~/Downloads/quisk7$
>>
>>
>> just take it with a grain of salt ....
>>
>> On 07/24/2015 08:54 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Â
>>>
>>> OK .. i installed a standalone of autoconf .... but ./configure still
>>> complains ...
>>>
>>> odroid@odroid:~/Downloads/quisk$ autoreconf -i
>>> aclocal: warning: autoconf input should be named 'configure.ac', not
>>> 'configure.in'
>>> configure.in:2873: warning: macro 'AM_PATH_GTK' not found in library
>>> configure.in:2876: warning: macro 'AM_PATH_GTK' not found in library
>>> configure.in:8429: warning: macro 'AM_PATH_CPPUNIT' not found in library
>>> FATAL ERROR: Autoconf version 2.58 or higher is required for this script
>>> ls: cannot access ./acinclude.m4: No such file or directory
>>> FATAL ERROR: Autoconf version 2.58 or higher is required for this script
>>> FATAL ERROR: Autoconf version 2.59 or higher is required for this script
>>> FATAL ERROR: Autoconf version 2.59 or higher is required for this script
>>> odroid@odroid:~/Downloads/quisk$ ./configure
>>> -bash: ./configure: No such file or directory
>>> odroid@odroid:~/Downloads/quisk$ dpkg -s Autoconf
>>> Package: autoconf
>>> Status: install ok installed
>>> Priority: optional
>>> Section: devel
>>> Installed-Size: 1890
>>> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
>>> Architecture: all
>>> Multi-Arch: foreign
>>> Version: 2.69-6
>>> Depends: perl (>> 5.005), m4 (>= 1.4.13), debianutils (>= 1.8)
>>> Recommends: automake | automaken
>>> Suggests: autoconf2.13, autoconf-archive, gnu-standards,
>>> autoconf-doc, libtool, gettext

>>> Breaks: autoconf2.13 (<< 2.13-47), gettext (<< 0.10.39), pkg-config
>>> (<< 0.25-1.1)
>>> Conffiles:
>>> Â /etc/emacs/site-start.d/50autoconf.el 297521889d690871ec9d89c5eeff745a
>>> Description: automatic configure script builder
>>> Â The standard for FSF source packages.Â This is only useful if you
>>> Â write your own programs or if you extensively modify other people's
>>> Â programs.
>>> Â .
>>> Â For an extensive library of additional Autoconf macros, install the
>>> Â `autoconf-archive' package.
>>> Â .
>>> Â This version of autoconf is not compatible with scripts meant for
>>> Â Autoconf 2.13 or earlier.Â If you need support for such scripts,
>>> Â you must also install the autoconf2.13 package.
>>> Original-Maintainer: Ben Pfaff <pfaffben@debian.org>
>>> Homepage: http://www.gnu.org/software/autoconf/
>>> odroid@odroid:~/Downloads/quisk$ sudo apt-get install autoconf2.13
>>> [sudo] password for odroid:
>>> Reading package lists... Done
>>> Building dependency treeÂ Â Â Â Â Â Â
>>> Reading state information... Done
>>> autoconf2.13 is already the newest version.
>>> The following package was automatically installed and is no longer
>>> required:
>>> Â libhamlib-utils
>>> Use 'apt-get autoremove' to remove it.
>>> 0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
>>> odroid@odroid:~/Downloads/quisk$
>>>
>>>
>>>
>>> Id swear that i have version 2.69 installed ...
>>>
>>> Oh well .. Im sure Sid will chime in and point me at what im
>>> overlooking ....
>>>
>>>
>>>
>>> On 07/24/2015 08:04 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> Â
>>>>
>>>> Tried to use the new version ... im getting a syntax error in
>>>> hardware_usb.py ... that might be my fault ...
>>>>
>>>> also that when i tried to reconfigure in quisk folder .... i usally
>>>> always need to do that because im running Arm7 and not an intel
>>>> based puter .... anyways i get version failure with autoreconf
>>>> complaining that my 2.1 version is too old and it wants 2.8 and 2.9
>>>>

>>>> Im just going by memory at teh moment .. i just got done working on
>>>> our (ok Wife's car) fo almost 2 days (man Toyota's way to water
>>>> pump/serp belt is sill) and i tried the new version while the oil
>>>> was draining...
>>>>
>>>> what else there to use for reconfiguring ?
>>>>
>>>> sourceforge is working for autoreconf but shows version 0.0.0.1 as
>>>> latest ... that ain't right ...
>>>>
>>>> On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>>>>> Â
>>>>>
>>>>> I made some changes for Hermes-Lite. Â You must add rx_udp_clock to
>>>>> your config file. Â You can adjust rx_udp_clock slightly to correct
>>>>> the frequency display. Â See hermes/quisk_conf.py. Â I added
>>>>> Hermes_BandDict to the config file. Â It controls the bits on the
>>>>> J16 connector of the Hermes-Lite.
>>>>>
>>>>>
>>>>> Quisk will now keep the same filter for a given mode when changing
>>>>> bands. Â I added RepeaterOffset() to the softrock hardware file so
>>>>> that repeater offsets work. Â I added mode DGT-FM for digital FM modes.
>>>>>
>>>>>
>>>>> Jim
>>>>>
>>>>>
>>>> --
>>>> Mike KC7NOA
>>> --
>>> Mike KC7NOA
>> --
>> Mike KC7NOA
>>
>

--
Mike KC7NOA

1535. Spot tuning from Quisk

Yahoo group: n2adr-sdr
Date: 2015-07-25 18:14:35 UTC
From: gvjury@...
Topic: 1535 Message: 1535

Hello Group,

On another list I asked Jim if he would code the "Spot" button so that it keyed the Tx immediately when clicked and of course un-keyed when clicked again rather than having to additionally click the ptt as at present.

Jim agreed to consider it but was somewhat reluctant which I am certain will be out of consideration for how his users will have developed their operating practice and may not like the change and partly because he likes it as it is. Anyway I am posting here to give you the opportunity to agree or object or silently state that either way is OK. In my case the tune button on my Kenwood ts-50 turns on my Tx at reduced power and activates my home brew auto-tuner. It does un-key the ts-50 when tuning complete and that would be a nice feature for Quisk/HiQSDR too but let's not get into that yet. I would like Quisk to behave in the same fashion with the spot tune.

BTW Jim will look some time (if he ever gets any) at having the spot button work for CW mode also. At present we either use the ptt button in Quisk or straight key the hardware which means tuning at full power or switching off the linear and tuning with the exciter output. There is a downside to setting the power level from the spot button where if your final is switched by detecting the presence of RF there may be insufficient to key it and you may find that your tune power is suddenly down to half a watt or so and not enough for a tune up.

73 Graeme zl2apv

1536. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 19:20:42 UTC
From: Sid Boyce
Topic: 1519 Message: 1536

autoreconf is not needed for configuring or building quisk - wrong tool.
No wonder it gives confusing errors.

I got no errors or problems on ODROID-U3 with the simple procedure outlined.

Jim's freedv.so and libcodec2 library are 32-bit x86 so freedv.so has to
be built for ARM. Removing libcodec2.so* and freedv.so from freedvpkg
forces freedv.so to be built using the ARM libcodec2.so.0.3 which should
have been installed for ghpsdr3-alex.

I go through exactly the same procedure to build and install quisk on
x86_64.
73 ... Sid.

On 25/07/15 14:19, Mike Patriot121@... [n2adr-sdr] wrote:
> I didint use the freedv that came with 3.7.2 .... i trashed it and
> copied my 3.7.1 that worked with bootstraped stuff ....
>
> im getting an version issue with autoreconf and this syntax error....
>
>
>
> On 07/25/2015 01:26 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> In freedvpkg directory I removed the x86 libcodec2* and ran make.
>> Konsole output
>> root@odroidu3:/opt/quisk-3.7.2/freedvpkg# file freedv.so
>> freedv.so: ELF 32-bit LSB shared object, ARM, EABI5 version 1 (SYSV),
>> dynamically linked,
>> BuildID[sha1]=9e2d7232707e12bd8444f1ccdbad5ebf91523086, not stripped
>> root@odroidu3:/opt/quisk-3.7.2/freedvpkg# ldd freedv.so
>> libcodec2.so.0.3 =>
>> /usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.3 (0xb6e53000)
>> libpthread.so.0 => /lib/arm-linux-gnueabihf/libpthread.so.0
>> (0xb6e37000)
>> libc.so.6 => /lib/arm-linux-gnueabihf/libc.so.6 (0xb6d50000)
>> libm.so.6 => /lib/arm-linux-gnueabihf/libm.so.6 (0xb6ce4000)
>> /lib/ld-linux-armhf.so.3 (0xb6ef5000)
>> root@odroidu3:/opt/quisk-3.7.2/freedvpkg#
>> In /opt/quisk-3.7.2 I then ran "make && python setup.py install"
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>>
>> On 25/07/15 05:52, Mike Patriot121@... [n2adr-sdr] wrote:
>>> and here is my syntax error .... still might be related to my
>>> autoreonf -i? ? version error ....
>>>
>>> odroid@odroid:~/Downloads/quisk7$ sudo python setup.py install

>>> running install
>>> running build
>>> running build_py
>>> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
>>> running build_ext
>>> running build_scripts
>>> running install_lib
>>> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
>>> /usr/local/lib/python2.7/dist-packages/quisk
>>> byte-compiling
>>> /usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py
>>> to hardware_usb.pyc
>>> ? File
>>> "/usr/local/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py",
>>> line 108
>>> ? ? ? if time.time() > self.repeater_time0 + self.repeater_delay
>>> ?
? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
>>> ^
>>> SyntaxError: invalid syntax
>>>
>>> byte-compiling
>>> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
>>> running install_scripts
>>> changing mode of /usr/local/bin/quisk to 755
>>> running install_egg_info
>>> Removing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
>>> Writing /usr/local/lib/python2.7/dist-packages/quisk-3.7.2.egg-info
>>> odroid@odroid:~/Downloads/quisk7$
>>>
>>>
>>> just take it with a grain of salt ....
>>>
>>> On 07/24/2015 08:54 PM, Mike Patriot121@... [n2adr-sdr] wrote:
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>>>> OK .. i installed a standalone of autoconf .... but ./configure still
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>>>> odroid@odroid:~/Downloads/quisk$ autoreconf -i
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```
>>>> odroid@odroid:~/Downloads/quisk$ ./configure
>>>> -bash: ./configure: No such file or directory
>>>> odroid@odroid:~/Downloads/quisk$ dpkg -s Autoconf
>>>> Package: autoconf
>>>> Status: install ok installed
>>>> Priority: optional
>>>> Section: devel
>>>> Installed-Size: 1890
>>>> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
>>>> Architecture: all
>>>> Multi-Arch: foreign
>>>> Version: 2.69-6
>>>> Depends: perl (>> 5.005), m4 (>= 1.4.13), debianutils (>= 1.8)
>>>> Recommends: automake | automaken
>>>> Suggests: autoconf2.13, autoconf-archive, gnu-standards,
>>>> autoconf-doc, libtool, gettext
>>>> Breaks: autoconf2.13 (<< 2.13-47), gettext (<< 0.10.39), pkg-config
>>>> (<< 0.25-1.1)
>>>> Conffiles:
>>>> ? /etc/emacs/site-start.d/50autoconf.el 297521889d690871ec9d89c5eeff745a
>>>> Description: automatic configure script builder
>>>> ? The standard for FSF source packages.? This is only useful if you
>>>> ? write your own programs or if you extensively modify other people's
>>>> ? programs.
>>>> ? .
>>>> ? For an extensive library of additional Autoconf macros, install the
>>>> ? `autoconf-archive' package.
>>>> ? .
>>>> ? This version of autoconf is not compatible with scripts meant for
>>>> ? Autoconf 2.13 or earlier.? If you need support for such scripts,
>>>> ? you must also install the autoconf2.13 package.
>>>> Original-Maintainer: Ben Pfaff <pfaffben@...>
>>>> Homepage: http://www.gnu.org/software/autoconf/
>>>> odroid@odroid:~/Downloads/quisk$ sudo apt-get install autoconf2.13
>>>> [sudo] password for odroid:
>>>> Reading package lists... Done
>>>> Building dependency tree? ? ? ? ? ?
>>>> Reading state information... Done
>>>> autoconf2.13 is already the newest version.
>>>> The following package was automatically installed and is no longer
>>>> required:
>>>> ? libhamlib-utils
>>>> Use 'apt-get autoremove' to remove it.
>>>> 0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
>>>> odroid@odroid:~/Downloads/quisk$
>>>>
>>>>
>>>>
>>>> Id swear that i have version 2.69 installed ...
>>>>
```

>>>> Oh well .. Im sure Sid will chime in and point me at what im
>>>> overlooking ....
>>>>
>>>>
>>>>
>>>> On 07/24/2015 08:04 PM, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> ?
>>>>>
>>>>> Tried to use the new version ... im getting a syntax error in
>>>>> hardware_usb.py ... that might be my fault ...
>>>>>
>>>>> also that when i tried to reconfigure in quisk folder .... i usally
>>>>> always need to do that because im running Arm7 and not an intel
>>>>> based puter .... anyways i get version failure with autoreconf
>>>>> complaining that my 2.1 version is too old and it wants 2.8 and 2.9
>>>>>
>>>>> Im just going by memory at teh moment .. i just got done working on
>>>>> our (ok Wife's car) fo almost 2 days (man Toyota's way to water
>>>>> pump/serp belt is sill) and i tried the new version while the oil
>>>>> was draining...
>>>>>
>>>>> what else there to use for reconfiguring ?
>>>>>
>>>>> sourceforge is working for autoreconf but shows version 0.0.0.1 as
>>>>> latest ... that ain't right ...
>>>>>
>>>>> On 07/24/2015 10:16 AM, jahlstr@... [n2adr-sdr] wrote:
>>>>>> ?
>>>>>>
>>>>>> I made some changes for Hermes-Lite. ? You must add rx_udp_clock to
>>>>>> your config file. ? You can adjust rx_udp_clock slightly to correct
>>>>>> the frequency display. ? See hermes/quisk_conf.py. ? I added
>>>>>> Hermes_BandDict to the config file. ? It controls the bits on the
>>>>>> J16 connector of the Hermes-Lite.
>>>>>>
>>>>>>
>>>>>> Quisk will now keep the same filter for a given mode when changing
>>>>>> bands. ? I added RepeaterOffset() to the softrock hardware file so
>>>>>> that repeater offsets work. ? I added mode DGT-FM for digital FM modes.
>>>>>>
>>>>>>
>>>>>> Jim
>>>>>>
>>>>>>
>>>>> --
>>>>> Mike KC7NOA
>>>> --
>>>> Mike KC7NOA
>>> --
>>> Mike KC7NOA

>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1537. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-25 22:14:54 UTC
From: Mike
Topic: 1519 Message: 1537

i get a differet error now ...

```
odroid@odroid:~/Downloads/quisk7$ python quisk
Traceback (most recent call last):
File "quisk", line 8, in <module>
quisk.main()
File "/home/odroid/Downloads/quisk7/quisk.py", line 4338, in main
App()
File "/home/odroid/Downloads/quisk7/quisk.py", line 2456, in __init__
wx.App.__init__(self, redirect=False)
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7981, in __init__
self._BootstrapApp()
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7555, in _BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "/home/odroid/Downloads/quisk7/quisk.py", line 2824, in OnInit
self.config_text = Hardware.open()
File "./softrock/hardware_usb.py", line 77, in open
self.application.bottom_widgets.info_text.SetLabel(text)
AttributeError: 'NoneType' object has no attribute 'info_text'
odroid@odroid:~/Downloads/quisk7$
```

Did you change hardware_usb.py only or was there more ... i just copied the new hardware_usb.py over the slightly older one ...

On 07/25/2015 04:01 AM, jahlstr@... [n2adr-sdr] wrote:
>
> The syntax error is a bug. Download 3.7.2 again and it should work.
>
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1538. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-26 12:06:12 UTC
From: jahlstr@...
Topic: 1519 Message: 1538

It would be better to download and install everything. But if you want to copy files, the changed files are hermes/quisk_hardware.c, softrock/hardware_usb.py and quisk.py. So you need to copy quisk.py too.

Jim
N2ADR

1539. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-26 18:17:13 UTC
From: Mike
Topic: 1519 Message: 1539

ok .. i just went with the full download ... replaced freedvpkg with my older one ...

I have no errors now .... but duplex is not working .....

Im not sure if it is because i just use direct control of si570 rather declaring ensemble ....

I do have the line do_repeater_offset=True in my config file and

I tried +600 and just 600 for offset entry in the favorites.

On 07/26/2015 05:06 AM, jahlstr@... [n2adr-sdr] wrote:
>
> It would be better to download and install everything. But if you
> want to copy files, the changed files are hermes/quisk_hardware.c,
> softrock/hardware_usb.py and quisk.py. So you need to copy quisk.py too.
>
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1540. quisk repeater offset

Yahoo group: n2adr-sdr
Date: 2015-07-27 05:22:59 UTC
From: Patriot121@...
Topic: 1540 Message: 1540

This email is from my Odroid-x2 computer arm7

I the repeater function is not working yet for me ...

Im using direct control .... if that matters

1541. Change IP on HIQSDR

Yahoo group: n2adr-sdr
Date: 2015-07-27 11:05:30 UTC
From: runeegil@...
Topic: 1541 Message: 1541

Hi All,

How do I change the subnet / IP address on my HIQSDR. Today its 192.168.2.196, I want to change this to 192.168.1.196, currently using firmware
http://dl2stg.de/stefan/hiqsdr/files/fpga_ver3-sg9.tgz
http://dl2stg.de/stefan/hiqsdr/files/fpga_ver3-sg9.tgz from DL2STG. Would be nice to have the radio to "talk in the same subnet. Any suggestions please.

73 Rune LA7THA

1542. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-27 12:25:49 UTC
From: pascal@...
Topic: 1519 Message: 1542

HI - I also used my old freedvpkg to make this release working.
I just intalled it on a Odroid-U3 and all is working except I have no curve on the screen (RX and TX work) - and I get an error from wxpython stdout/stderr :

"runtimeerror:failed to gain raw access to bitmap data"

As wxpython, I have downloaded from lubuntu center a package called "Pyragua" using wxpython...may be not the right one ?

1543. Re: Change IP on HIQSDR

Yahoo group: n2adr-sdr
Date: 2015-07-27 12:36:49 UTC
From: <hgoebkes@...>
Topic: 1541 Message: 1543

Hi Rune,

with Firmware from Stefan, the only way to change the ip is to chang it in Firmware and flashe this to the HiQSDR because the IP is coded in Firmware.

73!

Helmut, DB1CC

Diese E-Mail wurde von Avast Antivirus-Software auf Viren geprüft.
https://www.avast.com/antivirus

1544. Re: Change IP on HIQSDR

Yahoo group: n2adr-sdr
Date: 2015-07-27 19:03:30 UTC
From: runeegil@...
Topic: 1541 Message: 1544

Hi Helmy,

Thanks for reply. I guess is only firmware 1.4 that will allow to change the IP from software.

73 Rune LA7THA

1545. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-28 15:33:23 UTC
From: Sid Boyce
Topic: 1519 Message: 1545

Hi Pascal,
That's because the GL libraries implemented on the -U3 are from sunxi
and they don't properly replace the standard GL libraries.

This has been a long time problem.
They suggested I installed the standard Mesa libraries - trying that
wanted to remove tons of other standard packages.
I reported back and that was the end of the conversation - typical of
hardkernel.

Even in Ubuntu they still have the jack/pulseaudio problem hanging
around after years, something that was fixed in a few days on openSUSE
after I reported it.

This is how I run quisk on the -U3 and -C1 ....
Select WFall button and you will see a feint sign of the spectrum graph
above it and a dividing line between them, mouse over the line and a
double-headed arrow appears.
Grab it with left click and drag it down to lessen the waterfall height
and the spectrum graph height will increase.

You'll notice there is no waterfall activity.
73 ... Sid.

On 27/07/15 13:25, pascal@... [n2adr-sdr] wrote:
>
> HI - I also used my old freedvpkg to make this release working.
> I just intalled it on a Odroid-U3 and all is working except I have no
> curve on the screen (RX and TX work) - and I get an error from
> wxpython stdout/stderr :
>
> "runtimeerror:failed to gain raw access to bitmap data"
>
> As wxpython, I have downloaded from lubuntu center a package called
> "Pyragua" using wxpython...may be not the right one ?
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1546. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-28 15:43:31 UTC
From: Sid Boyce
Topic: 1519 Message: 1546

Hi Jim,
I am trying to get quisk to occupy 100% of the screen area of a 7"
touchscreen.

I am hoping to replace the Pi model B with the Pi 2 in my standalone
HiQSDR and run quisk in preference to rasdr.

I have changed quisk.py from "* 3 // 10" and reran make with no effect,
it still occupies 1/3 screen area.
Konsole output
self.height = application.screen_height* 10 // 10
73 ... Sid.

On 24/07/15 18:16, jahlstr@... [n2adr-sdr] wrote:
>
> I made some changes for Hermes-Lite. You must add rx_udp_clock to
> your config file. You can adjust rx_udp_clock slightly to correct the
> frequency display. See hermes/quisk_conf.py. I added Hermes_BandDict
> to the config file. It controls the bits on the J16 connector of the
> Hermes-Lite.
>
>
> Quisk will now keep the same filter for a given mode when changing
> bands. I added RepeaterOffset() to the softrock hardware file so that
> repeater offsets work. I added mode DGT-FM for digital FM modes.
>
>
> Jim
>
>
>

--
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Senior Staff Specialist, Cricket Coach
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1547. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 06:33:13 UTC
From: pascal@...
Topic: 1519 Message: 1547

Thanks Sid, Yes, I had found the same solution without the waterfall...
Best 73

1548. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 10:02:44 UTC
From: Sid Boyce
Topic: 1519 Message: 1548

I am beginning to regard hardkernel as a company that provides great
hardware and not much in the way of software support.

Many other ARM boards are using recent kernels whilst depending on the
ODROID board support is limited to one kernel, e.g ODROID-U3 is stuck at
kernel 3.8.13 and mainline is now up to 4.2.0-rc4 with some ARM boards
just a little behind.

There are files in the mainline kernel and the basic exynos_defconfig
along with dts files to support the individual boards.
I shall try building a -U3 4.2.0-rc4 kernel, earlier ones would boot but
X wouldn't start, suggesting a problem with Mali chip support.
Konsole output
sabre:/usr/src/linux-4.2.0-rc4/arch/arm/boot/dts #ls -l *odroid*
-rw-r--r-- 1 root root 11012 Jul 2 02:24 exynos4412-odroid-common.dtsi
-rw-r--r-- 1 root root 1371 Jun 14 01:26 exynos4412-odroidu3.dts
-rw-r--r-- 1 root root 1673 Jul 2 02:24 exynos4412-odroidx.dts
-rw-r--r-- 1 root root 956 Jun 14 01:26 exynos4412-odroidx2.dts
-rw-r--r-- 1 root root 10573 Jul 2 02:24 exynos5422-odroidxu3-common.dtsi
-rw-r--r-- 1 root root 599 Jul 2 02:24 exynos5422-odroidxu3-lite.dts
-rw-r--r-- 1 root root 1031 Jul 2 02:24 exynos5422-odroidxu3.dts

The ODROID forum was no help, linux-exynos list pointed me to the IRC
channel and none of the gurus there could supply a solution.

I'll check ArchLinux and Fedora 21 for ODROID to see if they do a better
job. openSUSE did a 12.3 version for ODROID-X but never went beyond
that, preferring to develop for the more popular boards like Pi/Pi2.
73 ... Sid.

On 29/07/15 07:33, pascal@... [n2adr-sdr] wrote:
>
> Thanks Sid,
>
> Yes, I had found the same solution without the waterfall...
> Best 73
>

--
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1549. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 12:40:22 UTC
From: jahlstr@...
Topic: 1519 Message: 1549

Hi Sid,

I think you changed the graph screen height. Try changing the main screen size at the call to QMainFrame().

If the height is wrong, can you drag the window border to make it bigger? Is the width OK?

Jim
N2ADR

1550. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 13:34:57 UTC
From: Sid Boyce
Topic: 1519 Message: 1550

Hi Jim,
Made these "10 // 10" changes to quisk.py, still the same.
Konsole output
class QMainFrame(wx.Frame):
"""Create the main top-level window."""
def __init__(self, width, height):

line 2733
----
self.main_frame = frame = QMainFrame(self.width, self.height)

line 1329
----
self.height = application.screen_height * 10 // 10

line 2731
----
self.width = self.screen_width * 10 // 10

line 2732
----
self.height = self.screen_height * 10 // 10

73 ... Sid.

On 29/07/15 13:40, jahlstr@... [n2adr-sdr] wrote:
> Hi Sid,
>
> I think you changed the graph screen height. Try changing the main
> screen size at the call to QMainFrame().
>
> If the height is wrong, can you drag the window border to make it
> bigger? Is the width OK?
>
> Jim
> N2ADR
>

--
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1551. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 14:54:25 UTC
From: andrea montefusco
Topic: 1519 Message: 1551

On Jul 29, 2015 12:02 PM, "Sid Boyce g3vbv@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:
>
> I am beginning to regard hardkernel as a company that provides great
> hardware and not much in the way of software support.
>
> Many other ARM boards are using recent kernels whilst depending on the
> ODROID board support is limited to one kernel, e.g ODROID-U3 is stuck at
> kernel 3.8.13 and mainline is now up to 4.2.0-rc4 with some ARM boards
> just a little behind.

Sid,
Their core business is based on Android, really the Odroid's are used by
app developers, as developing that stuff on a pc is a pain in the ass, not
to mention to use a real android device.

So, Linux is just few percent, hence the lesser support.

iw0hdv Andrea Montefusco

1552. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 15:27:49 UTC
From: Sid Boyce
Topic: 1519 Message: 1552

Thanks Andrea,
I now see why there is lots of Android stuff on their site.

I had been following the Linux forums which have always been quite
active so I expected them to come up with what looks like it should be a
simple solution.
Everything else but X works with the mainline kernels.

I don't see why the Mali support should be that different unless they
are using Mesa for Android and SunXi with Ubuntu for accelerated graphics.
73 ... Sid.

On 29/07/15 15:54, andrea montefusco andrea.montefusco@...
[n2adr-sdr] wrote:
>
> On Jul 29, 2015 12:02 PM, "Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >
> > I am beginning to regard hardkernel as a company that provides great
> > hardware and not much in the way of software support.
> >
> > Many other ARM boards are using recent kernels whilst depending on the
> > ODROID board support is limited to one kernel, e.g ODROID-U3 is stuck at
> > kernel 3.8.13 and mainline is now up to 4.2.0-rc4 with some ARM boards
> > just a little behind.
>
> Sid,
> Their core business is based on Android, really the Odroid's are used
> by app developers, as developing that stuff on a pc is a pain in the
> ass, not to mention to use a real android device.
>
> So, Linux is just few percent, hence the lesser support.
>
> iw0hdv Andrea Montefusco
>
>

--
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1553. Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-29 15:36:43 UTC
From: w4mmp@...
Topic: 1553 Message: 1553

Hi ,
Ok, stupid question time. What are the names of the variables in the .quisk_conf.py configuration file that are used for the rig audio devices. In other words:

Audio out from rig - variable name?
Audio in to rig - variable name?

I know the name of the hardware device (as reported by the portaudio pa_devs utility:

Peaberry SDR: USB Audio (hw:1,0)

Sorry, but I'm being "thick as brick" on this.

73

Ron / W4MMP

1554. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-29 22:35:52 UTC
From: Sid Boyce
Topic: 1553 Message: 1554

```
As an example:-
Konsole output
slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
+ some lines I have added.
------------------------------------------------------------------------
from softrock import hardware_usb_new as quisk_hardware
from softrock import widgets_tx as quisk_widgets

si570_direct_control = True
si570_xtal_freq = 114211833

sample_rate = 48000
playback_rate = 48000
name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
just "hw:0" and "hw:1".
name_of_mic_play = "hw:1"
channel_i = 0
channel_q = 1

usb_vendor_id = 0x16c0
usb_product_id = 0x05dc

Assumes the PCM3060 is sound card 0.
73 ... Sid.

On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>
> Hi ,
>
> Ok, stupid question time. What are the names of the variables in the
> .quisk_conf.py configuration file that are used for the rig audio
> devices. In other words:
>
>
> Audio out from rig - variable name?
>
> Audio in to rig - variable name?
>
>
> I know the name of the hardware device (as reported by the portaudio
> pa_devs utility:
>
>
> Peaberry SDR: USB Audio (hw:1,0)
```

>
>
> Sorry, but I'm being "thick as brick" on this.
>
>
> 73
>
>
> Ron / W4MMP
>
>

--
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1555. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-29 23:59:01 UTC
From: Mike
Topic: 1519 Message: 1555

Hey pascal .... do you have a UHFSDR and does the repeater offset work
now 4 u ?

On 07/28/2015 11:33 PM, pascal@... [n2adr-sdr] wrote:
>
> Thanks Sid,
>
> Yes, I had found the same solution without the waterfall...
> Best 73
>

--
Mike KC7NOA

1556. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 01:25:55 UTC
From: Ron
Topic: 1553 Message: 1556

```
Hi Sid,
This is what I have so far:
from softrock import hardware_usb_new as quisk_hardware
from softrock import widgets_tx as quisk_widgets

si570_direct_control = True
si570_xtal_freq = 114211833

sample_rate = 96000
playback_rate = 96000
name_of_sound_capt = "hw:1,0"
name_of_sound_play = "hw:1,0"
channel_i = 0
channel_q = 1

usb_vendor_id = 0x16c0
usb_product_id = 0x05dc

This works so far. The quisk display is working and the rig changes
frequencies. Again , I am sorry, but I don't find the names of the
variables intuitive in the least. What is the name of the variable for
the "speaker"? My audio output device is (hw:0,1). What do I assign
that to so I can hear the output of quisk?

73
Ron / W4MMP

On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> As an example:-
> Konsole output
> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
> + some lines I have added.
> ------------------------------------------------------------------------
> from softrock import hardware_usb_new as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
>
> si570_direct_control = True
> si570_xtal_freq = 114211833
>
> sample_rate = 48000
> playback_rate = 48000
> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
> just "hw:0" and "hw:1".
> name_of_mic_play = "hw:1"
```

> channel_i = 0
> channel_q = 1
>
> usb_vendor_id = 0x16c0
> usb_product_id = 0x05dc
>
> Assumes the PCM3060 is sound card 0.
> 73 ... Sid.
>
> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>> Hi ,
>>
>> Ok, stupid question time. What are the names of the variables in the
>> .quisk_conf.py configuration file that are used for the rig audio
>> devices. In other words:
>>
>>
>> Audio out from rig - variable name?
>>
>> Audio in to rig - variable name?
>>
>>
>> I know the name of the hardware device (as reported by the portaudio
>> pa_devs utility:
>>
>>
>> Peaberry SDR: USB Audio (hw:1,0)
>>
>>
>> Sorry, but I'm being "thick as brick" on this.
>>
>>
>> 73
>>
>>
>> Ron / W4MMP
>>
>>
>

1557. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 01:36:55 UTC
From: Mike
Topic: 1553 Message: 1557

If you type in a terminal aplay -l

this will list your soundcard outputs

its not exactly intuitive ... but logical order.

On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
> Hi Sid,
> This is what I have so far:
> from softrock import hardware_usb_new as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
>
> si570_direct_control = True
> si570_xtal_freq = 114211833
>
> sample_rate = 96000
> playback_rate = 96000
> name_of_sound_capt = "hw:1,0"
> name_of_sound_play = "hw:1,0"
> channel_i = 0
> channel_q = 1
>
> usb_vendor_id = 0x16c0
> usb_product_id = 0x05dc
>
> This works so far. The quisk display is working and the rig changes
> frequencies. Again , I am sorry, but I don't find the names of the
> variables intuitive in the least. What is the name of the variable for
> the "speaker"? My audio output device is (hw:0,1). What do I assign
> that to so I can hear the output of quisk?
>
> 73
> Ron / W4MMP
>
> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> As an example:-
>> Konsole output
>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>> + some lines I have added.
>> ----------
>> from softrock import hardware_usb_new as quisk_hardware
>> from softrock import widgets_tx as quisk_widgets
>>
>> si570_direct_control = True
>> si570_xtal_freq = 114211833
>>

>> sample_rate = 48000
>> playback_rate = 48000
>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>> just "hw:0" and "hw:1".
>> name_of_mic_play = "hw:1"
>> channel_i = 0
>> channel_q = 1
>>
>> usb_vendor_id = 0x16c0
>> usb_product_id = 0x05dc
>>
>> Assumes the PCM3060 is sound card 0.
>> 73 ... Sid.
>>
>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>> Hi ,
>>>
>>> Ok, stupid question time. What are the names of the variables in the
>>> .quisk_conf.py configuration file that are used for the rig audio
>>> devices. In other words:
>>>
>>>
>>> Audio out from rig - variable name?
>>>
>>> Audio in to rig - variable name?
>>>
>>>
>>> I know the name of the hardware device (as reported by the portaudio
>>> pa_devs utility:
>>>
>>>
>>> Peaberry SDR: USB Audio (hw:1,0)
>>>
>>>
>>> Sorry, but I'm being "thick as brick" on this.
>>>
>>>
>>> 73
>>>
>>>
>>> Ron / W4MMP
>>>
>>>
>
>
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> Yahoo Groups Links
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Mike KC7NOA

1558. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 01:55:59 UTC
From: Ron
Topic: 1553 Message: 1558

Hi,
I don't think I am making myself clear. What is the Quisk variable name
I use so that I can hear the output of Quisk.
I know what the device name is: hw:0,1

73
Ron / W4MMP

On 7/29/2015 21:36, Mike Patriot121@... [n2adr-sdr] wrote:
> If you type in a terminal aplay -l
>
> this will list your soundcard outputs
>
> its not exactly intuitive ... but logical order.
>
> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>> Hi Sid,
>> This is what I have so far:
>> from softrock import hardware_usb_new as quisk_hardware
>> from softrock import widgets_tx as quisk_widgets
>>
>> si570_direct_control = True
>> si570_xtal_freq = 114211833
>>
>> sample_rate = 96000
>> playback_rate = 96000
>> name_of_sound_capt = "hw:1,0"
>> name_of_sound_play = "hw:1,0"
>> channel_i = 0
>> channel_q = 1
>>
>> usb_vendor_id = 0x16c0
>> usb_product_id = 0x05dc
>>
>> This works so far. The quisk display is working and the rig changes
>> frequencies. Again , I am sorry, but I don't find the names of the
>> variables intuitive in the least. What is the name of the variable for
>> the "speaker"? My audio output device is (hw:0,1). What do I assign
>> that to so I can hear the output of quisk?
>>
>> 73
>> Ron / W4MMP
>>
>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> As an example:-

```
>>> Konsole output
>>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>>> + some lines I have added.
>>> ------------------------------------------------------------------------
>>> from softrock import hardware_usb_new as quisk_hardware
>>> from softrock import widgets_tx as quisk_widgets
>>>
>>> si570_direct_control = True
>>> si570_xtal_freq = 114211833
>>>
>>> sample_rate = 48000
>>> playback_rate = 48000
>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
>>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>> just "hw:0" and "hw:1".
>>> name_of_mic_play = "hw:1"
>>> channel_i = 0
>>> channel_q = 1
>>>
>>> usb_vendor_id = 0x16c0
>>> usb_product_id = 0x05dc
>>>
>>> Assumes the PCM3060 is sound card 0.
>>> 73 ... Sid.
>>>
>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>> Hi ,
>>>>
>>>> Ok, stupid question time. What are the names of the variables in the
>>>> .quisk_conf.py configuration file that are used for the rig audio
>>>> devices. In other words:
>>>>
>>>>
>>>> Audio out from rig - variable name?
>>>>
>>>> Audio in to rig - variable name?
>>>>
>>>>
>>>> I know the name of the hardware device (as reported by the portaudio
>>>> pa_devs utility:
>>>>
>>>>
>>>> Peaberry SDR: USB Audio (hw:1,0)
>>>>
>>>>
>>>> Sorry, but I'm being "thick as brick" on this.
>>>>
>>>>
>>>> 73
```

>>>>
>>>>
>>>> Ron / W4MMP
>>>>
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>> ------------------------------------
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>>
>> Yahoo Groups Links
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>>

1559. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 03:08:19 UTC
From: Mike
Topic: 1553 Message: 1559

```
name_of_sound_play = # Name of soundcard playback device for
radio audio. Must be 48 ksps

this is in the softrock default conf in the softrock folder ....

its more limited listing of what you can have ...

On 07/29/2015 06:55 PM, Ron w4mmp@... [n2adr-sdr] wrote:
> Hi,
> I don't think I am making myself clear. What is the Quisk variable name
> I use so that I can hear the output of Quisk.
> I know what the device name is: hw:0,1
>
> 73
> Ron / W4MMP
>
> On 7/29/2015 21:36, Mike Patriot121@... [n2adr-sdr] wrote:
>> If you type in a terminal aplay -l
>>
>> this will list your soundcard outputs
>>
>> its not exactly intuitive ... but logical order.
>>
>> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>> Hi Sid,
>>> This is what I have so far:
>>> from softrock import hardware_usb_new as quisk_hardware
>>> from softrock import widgets_tx as quisk_widgets
>>>
>>> si570_direct_control = True
>>> si570_xtal_freq = 114211833
>>>
>>> sample_rate = 96000
>>> playback_rate = 96000
>>> name_of_sound_capt = "hw:1,0"
>>> name_of_sound_play = "hw:1,0"
>>> channel_i = 0
>>> channel_q = 1
>>>
>>> usb_vendor_id = 0x16c0
>>> usb_product_id = 0x05dc
>>>
>>> This works so far. The quisk display is working and the rig changes
>>> frequencies. Again , I am sorry, but I don't find the names of the
>>> variables intuitive in the least. What is the name of the variable for
>>> the "speaker"? My audio output device is (hw:0,1). What do I assign
```

>>> that to so I can hear the output of quisk?
>>>
>>> 73
>>> Ron / W4MMP
>>>
>>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> As an example:-
>>>> Konsole output
>>>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>>>> + some lines I have added.
>>>> --
>>>> from softrock import hardware_usb_new as quisk_hardware
>>>> from softrock import widgets_tx as quisk_widgets
>>>>
>>>> si570_direct_control = True
>>>> si570_xtal_freq = 114211833
>>>>
>>>> sample_rate = 48000
>>>> playback_rate = 48000
>>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
>>>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>>> just "hw:0" and "hw:1".
>>>> name_of_mic_play = "hw:1"
>>>> channel_i = 0
>>>> channel_q = 1
>>>>
>>>> usb_vendor_id = 0x16c0
>>>> usb_product_id = 0x05dc
>>>>
>>>> Assumes the PCM3060 is sound card 0.
>>>> 73 ... Sid.
>>>>
>>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>>> Hi ,
>>>>>
>>>>> Ok, stupid question time. What are the names of the variables in the
>>>>> .quisk_conf.py configuration file that are used for the rig audio
>>>>> devices. In other words:
>>>>>
>>>>>
>>>>> Audio out from rig - variable name?
>>>>>
>>>>> Audio in to rig - variable name?
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>>>>>
>>>>> I know the name of the hardware device (as reported by the portaudio
>>>>> pa_devs utility:
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>>>>> Peaberry SDR: USB Audio (hw:1,0)
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>>>>> Sorry, but I'm being "thick as brick" on this.
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>>>>> Ron / W4MMP
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Mike KC7NOA

1560. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-30 09:19:26 UTC
From: pascal@...
Topic: 1519 Message: 1560

Hi Mike, I have only the softrock and hermes-lite hardware. And I didn't find the repeater offset control to test it...

1561. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 14:57:49 UTC
From: Ron
Topic: 1553 Message: 1561

Hi Guys,
I really do apologize but I just can figure this out.
Here is a list of sound devices on my Raspberry Pi 2 (as reported by the portaudio pa_devs utility)
Name = bcm2835 ALSA: - (hw:0,0)
Name = bcm2835 ALSA: IEC958/HDMI (hw:0,1)
Name = Peaberry SDR: USB Audio (hw:1,0)
Name = C-Media USB Audio Device: - (hw:2,0)
Name = sysdefault
Name = dmix
Name = default

What are the configuration parameters in the .quisk_conf.py file to properly set up the sound devices? I would like to use the C-Media device for the microphone and speaker.
I just can't figure out what to do. I guess I'm so use to using HDSDR that I have a mental block. HDSDR has four parameters: "In from radio", "out to radio", microphone and speaker. In my limited view of the world there should be four Quisk parameters similar to HDSDR. One for input to Quisk from the Peaberry on board sound card (in this case hw:1,0), one for output from Quisk to the Peaberry on board sound card (hw:1,0), one for the microphone (hw:2,0) and one for the speaker (hw:2,0).

Again, I feel really stupid about this but I can't get it.

73
Ron / W4MMP

On 7/29/2015 23:08, Mike Patriot121@... [n2adr-sdr] wrote:
> name_of_sound_play = # Name of soundcard playback device for
> radio audio. Must be 48 ksps
>
> this is in the softrock default conf in the softrock folder ....
>
> its more limited listing of what you can have ...
>
>
> On 07/29/2015 06:55 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>> Hi,
>> I don't think I am making myself clear. What is the Quisk variable name
>> I use so that I can hear the output of Quisk.
>> I know what the device name is: hw:0,1
>>
>> 73
>> Ron / W4MMP
>>

```
>> On 7/29/2015 21:36, Mike Patriot121@... [n2adr-sdr] wrote:
>>> If you type in a terminal aplay -l
>>>
>>> this will list your soundcard outputs
>>>
>>> its not exactly intuitive ... but logical order.
>>>
>>> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>>> Hi Sid,
>>>> This is what I have so far:
>>>> from softrock import hardware_usb_new as quisk_hardware
>>>> from softrock import widgets_tx as quisk_widgets
>>>>
>>>> si570_direct_control = True
>>>> si570_xtal_freq = 114211833
>>>>
>>>> sample_rate = 96000
>>>> playback_rate = 96000
>>>> name_of_sound_capt = "hw:1,0"
>>>> name_of_sound_play = "hw:1,0"
>>>> channel_i = 0
>>>> channel_q = 1
>>>>
>>>> usb_vendor_id = 0x16c0
>>>> usb_product_id = 0x05dc
>>>>
>>>> This works so far. The quisk display is working and the rig changes
>>>> frequencies. Again , I am sorry, but I don't find the names of the
>>>> variables intuitive in the least. What is the name of the variable for
>>>> the "speaker"? My audio output device is (hw:0,1). What do I assign
>>>> that to so I can hear the output of quisk?
>>>>
>>>> 73
>>>> Ron / W4MMP
>>>>
>>>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> As an example:-
>>>>> Konsole output
>>>>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>>>>> + some lines I have added.
>>>>> ------------------------------------------------------------------------
>>>>> from softrock import hardware_usb_new as quisk_hardware
>>>>> from softrock import widgets_tx as quisk_widgets
>>>>>
>>>>> si570_direct_control = True
>>>>> si570_xtal_freq = 114211833
>>>>>
>>>>> sample_rate = 48000
>>>>> playback_rate = 48000
>>>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
```

>>>>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>>>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>>>> just "hw:0" and "hw:1".
>>>>> name_of_mic_play = "hw:1"
>>>>> channel_i = 0
>>>>> channel_q = 1
>>>>>
>>>>> usb_vendor_id = 0x16c0
>>>>> usb_product_id = 0x05dc
>>>>>
>>>>> Assumes the PCM3060 is sound card 0.
>>>>> 73 ... Sid.
>>>>>
>>>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>>>> Hi ,
>>>>>>
>>>>>> Ok, stupid question time. What are the names of the variables in the
>>>>>> .quisk_conf.py configuration file that are used for the rig audio
>>>>>> devices. In other words:
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>>>>>> Audio out from rig - variable name?
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>>>>>> Audio in to rig - variable name?
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>>>>>> I know the name of the hardware device (as reported by the portaudio
>>>>>> pa_devs utility:
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>>>>>> Peaberry SDR: USB Audio (hw:1,0)
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>>>>>> Sorry, but I'm being "thick as brick" on this.
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1562. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 15:16:54 UTC
From: Mike
Topic: 1553 Message: 1562

What is your microphone and speakers hooked to ?
to bcm2835 or C-media ?

si570_direct_control = True
si570_xtal_freq = 114211833

sample_rate = 96000
playback_rate = 96000
name_of_sound_capt = "hw:1,0"
name_of_sound_play = "hw:2,0"

microphone_name = name_of_sound_play # Name of microphone capture device
name_of_mic_play = name_of_sound_capt

channel_i = 0
channel_q = 1

usb_vendor_id = 0x16c0
usb_product_id = 0x05dc

On 07/30/2015 07:57 AM, Ron w4mmp@... [n2adr-sdr] wrote:
> Hi Guys,
> I really do apologize but I just can figure this out.
> Here is a list of sound devices on my Raspberry Pi 2 (as reported by the
> portaudio pa_devs utility)
> Name = bcm2835 ALSA: - (hw:0,0)
> Name = bcm2835 ALSA: IEC958/HDMI (hw:0,1)
> Name = Peaberry SDR: USB Audio (hw:1,0)
> Name = C-Media USB Audio Device: - (hw:2,0)
> Name = sysdefault
> Name = dmix
> Name = default
>
> What are the configuration parameters in the .quisk_conf.py file to
> properly set up the sound devices? I would like to use the C-Media
> device for the microphone and speaker.
> I just can't figure out what to do. I guess I'm so use to using HDSDR
> that I have a mental block. HDSDR has four parameters: "In from
> radio", "out to radio", microphone and speaker. In my limited view of
> the world there should be four Quisk parameters similar to HDSDR. One
> for input to Quisk from the Peaberry on board sound card (in this case
> hw:1,0), one for output from Quisk to the Peaberry on board sound card
> (hw:1,0), one for the microphone (hw:2,0) and one for the speaker (hw:2,0).
>
> Again, I feel really stupid about this but I can't get it.
>

> 73
> Ron / W4MMP
>
> On 7/29/2015 23:08, Mike Patriot121@... [n2adr-sdr] wrote:
>> name_of_sound_play = # Name of soundcard playback device for
>> radio audio. Must be 48 ksps
>>
>> this is in the softrock default conf in the softrock folder ....
>>
>> its more limited listing of what you can have ...
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>>
>> On 07/29/2015 06:55 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>> Hi,
>>> I don't think I am making myself clear. What is the Quisk variable name
>>> I use so that I can hear the output of Quisk.
>>> I know what the device name is: hw:0,1
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>>> 73
>>> Ron / W4MMP
>>>
>>> On 7/29/2015 21:36, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> If you type in a terminal aplay -l
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>>>> this will list your soundcard outputs
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>>>> its not exactly intuitive ... but logical order.
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>>>> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>>>> Hi Sid,
>>>>> This is what I have so far:
>>>>> from softrock import hardware_usb_new as quisk_hardware
>>>>> from softrock import widgets_tx as quisk_widgets
>>>>>
>>>>> si570_direct_control = True
>>>>> si570_xtal_freq = 114211833
>>>>>
>>>>> sample_rate = 96000
>>>>> playback_rate = 96000
>>>>> name_of_sound_capt = "hw:1,0"
>>>>> name_of_sound_play = "hw:1,0"
>>>>> channel_i = 0
>>>>> channel_q = 1
>>>>>
>>>>> usb_vendor_id = 0x16c0
>>>>> usb_product_id = 0x05dc
>>>>>
>>>>> This works so far. The quisk display is working and the rig changes
>>>>> frequencies. Again , I am sorry, but I don't find the names of the
>>>>> variables intuitive in the least. What is the name of the variable for

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>>>>> the "speaker"? My audio output device is (hw:0,1). What do I assign
>>>>> that to so I can hear the output of quisk?
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>>>>> 73
>>>>> Ron / W4MMP
>>>>>
>>>>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>> As an example:-
>>>>>> Konsole output
>>>>>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>>>>>> + some lines I have added.
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>>>>>> sample_rate = 48000
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>>>>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
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>>>>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>>>>> just "hw:0" and "hw:1".
>>>>>> name_of_mic_play = "hw:1"
>>>>>> channel_i = 0
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>>>>>>
>>>>>> usb_vendor_id = 0x16c0
>>>>>> usb_product_id = 0x05dc
>>>>>>
>>>>>> Assumes the PCM3060 is sound card 0.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>>>>> Hi ,
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>>>>>>> Ok, stupid question time. What are the names of the variables in the
>>>>>>> .quisk_conf.py configuration file that are used for the rig audio
>>>>>>> devices. In other words:
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>>>>>>> Audio out from rig - variable name?
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>>>>>>> I know the name of the hardware device (as reported by the portaudio
>>>>>>> pa_devs utility:
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>>>>>>>
>>>>>>> Peaberry SDR: USB Audio (hw:1,0)
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>>>>>>> Sorry, but I'm being "thick as brick" on this.
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Mike KC7NOA

1563. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 15:27:27 UTC
From: Ron
Topic: 1553 Message: 1563

C-media

73
Ron / W4MMP

On 7/30/2015 11:16, Mike Patriot121@... [n2adr-sdr] wrote:
> What is your microphone and speakers hooked to ?
> to bcm2835 or C-media ?
>
>
> si570_direct_control = True
> si570_xtal_freq = 114211833
>
> sample_rate = 96000
> playback_rate = 96000
> name_of_sound_capt = "hw:1,0"
> name_of_sound_play = "hw:2,0"
>
> microphone_name = name_of_sound_play # Name of microphone capture device
> name_of_mic_play = name_of_sound_capt
>
>
> channel_i = 0
> channel_q = 1
>
> usb_vendor_id = 0x16c0
> usb_product_id = 0x05dc
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>
>
> On 07/30/2015 07:57 AM, Ron w4mmp@... [n2adr-sdr] wrote:
>> Hi Guys,
>> I really do apologize but I just can figure this out.
>> Here is a list of sound devices on my Raspberry Pi 2 (as reported by the
>> portaudio pa_devs utility)
>> Name = bcm2835 ALSA: - (hw:0,0)
>> Name = bcm2835 ALSA: IEC958/HDMI (hw:0,1)
>> Name = Peaberry SDR: USB Audio (hw:1,0)
>> Name = C-Media USB Audio Device: - (hw:2,0)
>> Name = sysdefault
>> Name = dmix
>> Name = default
>>
>> What are the configuration parameters in the .quisk_conf.py file to
>> properly set up the sound devices? I would like to use the C-Media

>> device for the microphone and speaker.
>> I just can't figure out what to do. I guess I'm so use to using HDSDR
>> that I have a mental block. HDSDR has four parameters: "In from
>> radio", "out to radio", microphone and speaker. In my limited view of
>> the world there should be four Quisk parameters similar to HDSDR. One
>> for input to Quisk from the Peaberry on board sound card (in this case
>> hw:1,0), one for output from Quisk to the Peaberry on board sound card
>> (hw:1,0), one for the microphone (hw:2,0) and one for the speaker (hw:2,0).
>>
>> Again, I feel really stupid about this but I can't get it.
>>
>> 73
>> Ron / W4MMP
>>
>> On 7/29/2015 23:08, Mike Patriot121@... [n2adr-sdr] wrote:
>>> name_of_sound_play = # Name of soundcard playback device for
>>> radio audio. Must be 48 ksps
>>>
>>> this is in the softrock default conf in the softrock folder ....
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>>> its more limited listing of what you can have ...
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>>>
>>> On 07/29/2015 06:55 PM, Ron w4mmp@... [n2adr-sdr] wrote:
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>>>> I don't think I am making myself clear. What is the Quisk variable name
>>>> I use so that I can hear the output of Quisk.
>>>> I know what the device name is: hw:0,1
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>>>> Ron / W4MMP
>>>>
>>>> On 7/29/2015 21:36, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> If you type in a terminal aplay -l
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>>>>> this will list your soundcard outputs
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>>>>> its not exactly intuitive ... but logical order.
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>>>>> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>>>>> Hi Sid,
>>>>>> This is what I have so far:
>>>>>> from softrock import hardware_usb_new as quisk_hardware
>>>>>> from softrock import widgets_tx as quisk_widgets
>>>>>>
>>>>>> si570_direct_control = True
>>>>>> si570_xtal_freq = 114211833
>>>>>>
>>>>>> sample_rate = 96000
>>>>>> playback_rate = 96000

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>>>>>> name_of_sound_capt = "hw:1,0"
>>>>>> name_of_sound_play = "hw:1,0"
>>>>>> channel_i = 0
>>>>>> channel_q = 1
>>>>>>
>>>>>> usb_vendor_id = 0x16c0
>>>>>> usb_product_id = 0x05dc
>>>>>>
>>>>>> This works so far. The quisk display is working and the rig changes
>>>>>> frequencies. Again , I am sorry, but I don't find the names of the
>>>>>> variables intuitive in the least. What is the name of the variable for
>>>>>> the "speaker"? My audio output device is (hw:0,1). What do I assign
>>>>>> that to so I can hear the output of quisk?
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>>>>>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>> As an example:-
>>>>>>> Konsole output
>>>>>>> slipstream:/opt/quisk-3.7.2 #cat quisk_conf_peaberry.py
>>>>>>> + some lines I have added.
>>>>>>> ------------------------------------------------------------------
>>>>>>> from softrock import hardware_usb_new as quisk_hardware
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>>>>>>>
>>>>>>> si570_direct_control = True
>>>>>>> si570_xtal_freq = 114211833
>>>>>>>
>>>>>>> sample_rate = 48000
>>>>>>> playback_rate = 48000
>>>>>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
>>>>>>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>>>>>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>>>>>> just "hw:0" and "hw:1".
>>>>>>> name_of_mic_play = "hw:1"
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>>>>>>> channel_q = 1
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>>>>>>> usb_vendor_id = 0x16c0
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>>>>>>>
>>>>>>> Assumes the PCM3060 is sound card 0.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>>>>>>> Hi ,
>>>>>>>>>
>>>>>>>>> Ok, stupid question time. What are the names of the variables in the
>>>>>>>>> .quisk_conf.py configuration file that are used for the rig audio
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>>>>>>>> devices. In other words:
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>>>>>>>> Audio out from rig - variable name?
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>>>>>>>> I know the name of the hardware device (as reported by the portaudio
>>>>>>>> pa_devs utility:
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>>>>>>>> Peaberry SDR: USB Audio (hw:1,0)
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>>>>>>>> Sorry, but I'm being "thick as brick" on this.
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1564. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-07-30 19:21:55 UTC
From: Mike
Topic: 1519 Message: 1564

Hey Jim .. i just changed my .quisk_conf.py to

use

softrock_model = "RxTxEnsemble"
#si570_direct_control = True
#si570_i2c_address = 0x70

i'm still not getting repeater offset to work ....

Is there a way to run in debug only through usb_hardware.py ?

Is there a way to check that quisk is picking up the value True for
do_repeater_offset = True ?

On 07/26/2015 05:06 AM, jahlstr@... [n2adr-sdr] wrote:
>
> It would be better to download and install everything. But if you
> want to copy files, the changed files are hermes/quisk_hardware.c,
> softrock/hardware_usb.py and quisk.py. So you need to copy quisk.py too.
>
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1565. Re: [n2adr-sdr] Quisk / Peaberry

Yahoo group: n2adr-sdr
Date: 2015-07-30 21:40:45 UTC
From: Sid Boyce
Topic: 1553 Message: 1565

I can't find how Peaberry sound should be configured even looking at the
circuit diagram.
I am copying David, the designer of the Peaberry and the provider of
support in quisk.
I have only seen posts from David in the softrock40 Yahoo group.
73 ... Sid.

On 30/07/15 15:57, Ron w4mmp@... [n2adr-sdr] wrote:
> Hi Guys,
> I really do apologize but I just can figure this out.
> Here is a list of sound devices on my Raspberry Pi 2 (as reported by the
> portaudio pa_devs utility)
> Name = bcm2835 ALSA: - (hw:0,0)
> Name = bcm2835 ALSA: IEC958/HDMI (hw:0,1)
> Name = Peaberry SDR: USB Audio (hw:1,0)
> Name = C-Media USB Audio Device: - (hw:2,0)
> Name = sysdefault
> Name = dmix
> Name = default
>
> What are the configuration parameters in the .quisk_conf.py file to
> properly set up the sound devices? I would like to use the C-Media
> device for the microphone and speaker.
> I just can't figure out what to do. I guess I'm so use to using HDSDR
> that I have a mental block. HDSDR has four parameters: "In from
> radio", "out to radio", microphone and speaker. In my limited view of
> the world there should be four Quisk parameters similar to HDSDR. One
> for input to Quisk from the Peaberry on board sound card (in this case
> hw:1,0), one for output from Quisk to the Peaberry on board sound card
> (hw:1,0), one for the microphone (hw:2,0) and one for the speaker (hw:2,0).
>
> Again, I feel really stupid about this but I can't get it.
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> On 7/29/2015 23:08, Mike Patriot121@... [n2adr-sdr] wrote:
>> name_of_sound_play = # Name of soundcard playback device for
>> radio audio. Must be 48 ksps
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>> this is in the softrock default conf in the softrock folder ....
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>> On 07/29/2015 06:55 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>> Hi,
>>> I don't think I am making myself clear. What is the Quisk variable name
>>> I use so that I can hear the output of Quisk.
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>>>> If you type in a terminal aplay -l
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>>>> On 07/29/2015 06:25 PM, Ron w4mmp@... [n2adr-sdr] wrote:
>>>>> Hi Sid,
>>>>> This is what I have so far:
>>>>> from softrock import hardware_usb_new as quisk_hardware
>>>>> from softrock import widgets_tx as quisk_widgets
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>>>>> si570_direct_control = True
>>>>> si570_xtal_freq = 114211833
>>>>>
>>>>> sample_rate = 96000
>>>>> playback_rate = 96000
>>>>> name_of_sound_capt = "hw:1,0"
>>>>> name_of_sound_play = "hw:1,0"
>>>>> channel_i = 0
>>>>> channel_q = 1
>>>>>
>>>>> usb_vendor_id = 0x16c0
>>>>> usb_product_id = 0x05dc
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>>>>> This works so far. The quisk display is working and the rig changes
>>>>> frequencies. Again , I am sorry, but I don't find the names of the
>>>>> variables intuitive in the least. What is the name of the variable for
>>>>> the "speaker"? My audio output device is (hw:0,1). What do I assign
>>>>> that to so I can hear the output of quisk?
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>>>>> On 7/29/2015 18:35, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>> As an example:-
>>>>>> Konsole output
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>>>>>> from softrock import hardware_usb_new as quisk_hardware
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>>>>>>
>>>>>> si570_direct_control = True
>>>>>> si570_xtal_freq = 114211833
>>>>>>
>>>>>> sample_rate = 48000
>>>>>> playback_rate = 48000
>>>>>> name_of_sound_capt = "hw:1,0" ## I-Q sound card connected to rig
>>>>>> name_of_sound_play = "plughw:0,0" ## on board codec for Mic/Speakers
>>>>>> microphone_name = "plughw:0,0" ## or is it "plughw:0,1"? I normally use
>>>>>> just "hw:0" and "hw:1".
>>>>>> name_of_mic_play = "hw:1"
>>>>>> channel_i = 0
>>>>>> channel_q = 1
>>>>>>
>>>>>> usb_vendor_id = 0x16c0
>>>>>> usb_product_id = 0x05dc
>>>>>>
>>>>>> Assumes the PCM3060 is sound card 0.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 29/07/15 16:36, w4mmp@... [n2adr-sdr] wrote:
>>>>>>> Hi ,
>>>>>>>
>>>>>>> Ok, stupid question time. What are the names of the variables in the
>>>>>>> .quisk_conf.py configuration file that are used for the rig audio
>>>>>>> devices. In other words:
>>>>>>>
>>>>>>>
>>>>>>> Audio out from rig - variable name?
>>>>>>>
>>>>>>> Audio in to rig - variable name?
>>>>>>>
>>>>>>>
>>>>>>> I know the name of the hardware device (as reported by the portaudio
>>>>>>> pa_devs utility:
>>>>>>>
>>>>>>>
>>>>>>> Peaberry SDR: USB Audio (hw:1,0)
>>>>>>>
>>>>>>>
>>>>>>> Sorry, but I'm being "thick as brick" on this.
>>>>>>>
>>>>>>>
>>>>>>> 73
>>>>>>>
>>>>>>>
>>>>>>> Ron / W4MMP
>>>>>>>
```

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>>>>> Yahoo Groups Links
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1566. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-01 11:34:46 UTC
From: jahlstr@...
Topic: 1519 Message: 1566

Yes. Go to the file softrock/hardware_usb.py, and change DEBUG to 1. That is,

DEBUG = 1

near the top of the file. Then run from a terminal and look at the debug output.

Jim

1567. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-01 22:55:31 UTC
From: Mike
Topic: 1519 Message: 1567

ok .. changed DEBUG = 1

but all i see is

Change to 147380000
Run freq 147380000
Change to 146875000
Run freq 146875000

when the Tx button is hit/pressed ... there is no other change to / Run freq

is there a way to know that repeater is enabled once quisk.py has been ran/started ?

wonder if the repeater offset is not being read properly from favorites

On 08/01/2015 04:34 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Yes. Go to the file softrock/hardware_usb.py, and change DEBUG to 1.
> That is,
>
>
> DEBUG = 1
>
> near the top of the file. Then run from a terminal and look at the
> debug output.
>
> Jim
>

--
Mike KC7NOA

1568. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 16:00:24 UTC
From: Mike
Topic: 1519 Message: 1568

Jim .. what do you use for debugging?

iv tried Pudb and it closes when the quisk gui is launched ....

On 08/01/2015 03:55 PM, Mike Patriot121@...m [n2adr-sdr] wrote:
>
> ok .. changed DEBUG = 1
>
> but all i see is
>
> Change to 147380000
> Run freq 147380000
> Change to 146875000
> Run freq 146875000
>
> when the Tx button is hit/pressed ... there is no other change to /
> Run freq
>
> is there a way to know that repeater is enabled once quisk.py has been
> ran/started ?
>
> wonder if the repeater offset is not being read properly from favorites
>
>
>
> On 08/01/2015 04:34 AM, jahlstr@... [n2adr-sdr] wrote:
>>
>> Yes. Go to the file softrock/hardware_usb.py, and change DEBUG to 1.
>> That is,
>>
>>
>> DEBUG = 1
>>
>> near the top of the file. Then run from a terminal and look at the
>> debug output.
>>
>> Jim
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1569. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 16:24:14 UTC
From: jahlstr@...
Topic: 1519 Message: 1569

Hi Mike,

The "Change to" message means the frequency is being changed. The "Run freq" is the result of reading back the "Change to" frequency to see that it worked. If this change is in response to the Tx button, it indicates the frequency is being shifted by 505 kHz. If 505 kHz is the correct shift in your favorites, then Quisk is doing what you requested.

Jim

1570. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 16:25:20 UTC
From: jahlstr@...
Topic: 1519 Message: 1570

Mostly I use print statements. Occasionally I use gdb.

Jim

1571. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 17:15:41 UTC
From: Sid Boyce
Topic: 1519 Message: 1571

H Jim,
Have you had a chance to look into this display problem?
73 ... Sid.

On 29/07/15 14:34, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> Made these "10 // 10" changes to quisk.py, still the same.
> Konsole output
> class QMainFrame(wx.Frame):
> """Create the main top-level window."""
> def __init__(self, width, height):
>
> line 2733
> ---------
> self.main_frame = frame = QMainFrame(self.width, self.height)
>
>
> line 1329
> ------------
> self.height = application.screen_height * 10 // 10
>
> line 2731
> ---------
> self.width = self.screen_width * 10 // 10
>
> line 2732
> ---------
> self.height = self.screen_height * 10 // 10
>
> 73 ... Sid.
>
> On 29/07/15 13:40, jahlstr@... [n2adr-sdr] wrote:
>> Hi Sid,
>>
>> I think you changed the graph screen height. Try changing the main
>> screen size at the call to QMainFrame().
>>
>> If the height is wrong, can you drag the window border to make it
>> bigger? Is the width OK?
>>
>> Jim
>> N2ADR
>>
>

--
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1572. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 18:40:19 UTC
From: Mike
Topic: 1519 Message: 1572

ok .. there is no "change to" or "Run freq" when the Tx button is hit/pressed.

On 08/02/2015 09:24 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Mike,
>
>
> The "Change to" message means the frequency is being changed. The
> "Run freq" is the result of reading back the "Change to" frequency to
> see that it worked. If this change is in response to the Tx button,
> it indicates the frequency is being shifted by 505 kHz. If 505 kHz is
> the correct shift in your favorites, then Quisk is doing what you
> requested.
>
> Jim
>

--
Mike KC7NOA

1573. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 18:49:00 UTC
From: Mike
Topic: 1519 Message: 1573

so a

```
print ('RepeaterOffset', self.RepeaterOffset())
print ('do_repeater_offset', self.do_repeater_offset())
```

work when inserted into the debug IF statement of hardware_usb.py ?

On 08/02/2015 09:25 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Mostly I use print statements. Occasionally I use gdb.
>
>
> Jim
>

--
Mike KC7NOA

1574. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 20:26:52 UTC
From: jahlstr@...
Topic: 1519 Message: 1574

Hi Sid,

No I haven't had time. Please give me more information.

If the height is wrong, can you drag the window border to make it bigger? Is the width OK?

Jim
N2ADR

1575. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 20:31:05 UTC
From: jahlstr@...
Topic: 1519 Message: 1575

Hi Mike,

In a previous message you wrote:

ok .. changed DEBUG = 1

but all i see is

```
Change to 147380000
Run freq 147380000
Change to 146875000
Run freq 146875000
```

when the Tx button is hit/pressed ... there is no other change to / Run freq

That seems to mean Run freq did change. Please be sure you are testing correctly. This is from the file quisk_conf_defaults.py:

```
# Quisk can implement the frequency shift needed for repeaters. If the repeater frequency
# is on the favorites screen, and you tune close (500 Hz) to that frequency, and there
# is an entry in the "offset" column, and the mode is FM, and this parameter is True,
# then Quisk will shift the Tx frequency by the offset when transmitting. Your hardware
# file must define the method RepeaterOffset(self, offset=None).
do_repeater_offset = False
```

Jim

1576. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-02 22:28:46 UTC
From: Mike
Topic: 1519 Message: 1576

Nah ... that's kbara on 147.38+ and IEVHF on 146.88-
--- interesting that it's a diference of 500Khz .... repeater offset
should be 600Khz ...

my quisk_conf.py contains as its last line

do_repeater_offset = True

this is an output after i added some more debug lines to the debug IF
statment ..

```
odroid@odroid:~/Downloads/quisk7$ python quisk.py
Startup freq 7050000
Run freq 7050000
Address 0x55
Smooth tune 3500
RepeaterOffset True *<----- Jim , shouldn't this be a value that's in
the offset**field of favourites ?* not "true"
Traceback (most recent call last):
File "quisk.py", line 4344, in <module>
main()
File "quisk.py", line 4340, in main
App()
File "quisk.py", line 2456, in __init__
wx.App.__init__(self, redirect=False)
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7981, in __init__
self._BootstrapApp()
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
7555, in _BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "quisk.py", line 2828, in OnInit
self.config_text = Hardware.open()
File "./softrock/hardware_usb.py", line 86, in open
print ('do_repeater_offset', self.do_repeater_offset()) *<----- im
not sure why this happened really, im no code'r ...*
AttributeError: Hardware instance has no attribute 'do_repeater_offset'
odroid@odroid:~/Downloads/quisk7$
```

On 08/02/2015 01:31 PM, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Mike,
>
>

> In a previous message you wrote:
>
> ok .. changed DEBUG = 1
>
> but all i see is
>
> Change to 147380000
> Run freq 147380000
> Change to 146875000
> Run freq 146875000
>
> when the Tx button is hit/pressed ... there is no other change to /
> Run freq
>
> That seems to mean Run freq did change. Please be sure you are
> testing correctly. This is from the file quisk_conf_defaults.py:
>
> # Quisk can implement the frequency shift needed for repeaters. If
> the repeater frequency
> # is on the favorites screen, and you tune close (500 Hz) to that
> frequency, and there
> # is an entry in the "offset" column, and the mode is FM, and this
> parameter is True,
> # then Quisk will shift the Tx frequency by the offset when
> transmitting. Your hardware
> # file must define the method RepeaterOffset(self, offset=None).
> do_repeater_offset = False
>
> Jim
>
>

--
Mike KC7NOA

1577. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-03 06:52:20 UTC
From: Sid Boyce
Topic: 1519 Message: 1577

Hi Jim,
Only quisk and X live on so there is no window management.
quisk cannot be resized. It occupies 1/3 of the screen height and 3/4 of the width.

This is the script:-
Konsole output
```
root@hiqsdr:/opt/quisk-3.7.2# cat /home/hiqsdr/startHiQSDR
#!/bin/sh

export DISPLAY=:0

RESULT=`pgrep quisk`

if [ "${RESULT:-null}" = null ]; then
X &
ping -i 0.1 -c 2 192.168.2.196
(sleep 15s && xset -dpms; xset s off) &
cd /opt/quisk-3.7.2;python quisk.py
killall -r X
/usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
sync
# sudo shutdown -h now
fi
```

This is a modified version of the rasdr script (startsdr), with "rasdr" replaced by the quisk lines.
In the case of rasdr it results in a full screen touch display as can be seen on my QRZ.com page and
http://dl2stg.de/stefan/hiqsdr/index.html

rasdr on the Pi model B
==========
Konsole output
```
root@raspberrypi:/home/hiqsdr# ps fax|grep X
1576 pts/0 S+ 0:00 \_ grep --color=auto X
25747 tty7 Ss+ 256:03 \_ X
root@raspberrypi:/home/hiqsdr#
```

quisk on the Pi 2

Konsole output
```
root@hiqsdr:/opt/quisk-3.7.2# ps fax|grep X
22851 pts/0 S+ 0:00 \_ grep --color=auto X
2559 tty7 Ss+ 135:24 \_ X
root@hiqsdr:/opt/quisk-3.7.2#
```

Hit power on and it boots up into rasdr, same for quisk -- operation is
all done using the touchscreen.
I have yet to wire in the ATMega328 to control the rotary encoders for
tuning and switch functions.
/etc/splash.png is a picture of the HiQSDR board that is displayed
before rasdr or quisk as appropriate.
73 ... Sid.

On 02/08/15 21:26, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> No I haven't had time. Please give me more information.
>
> If the height is wrong, can you drag the window border to make it
> bigger? Is the width OK?
>
> Jim
> N2ADR
>
>

--
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1578. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-03 15:21:56 UTC
From: jahlstr@...
Topic: 1519 Message: 1578

Hi Sid,

Please try these changes. Starting from line 2730:

```
# print 'data, graph,fft', self.data_width, self.graph_width, self.fft_size
self.width = self.screen_width * 10 // 10
self.height = self.screen_height * 10 // 10
self.main_frame = frame = QMainFrame(self.width, self.height)
```

And on line 2819:

```
self.main_frame.SetClientSizeWH(ww, self.screen_height * 10 // 10)
```

These control the height. The width depends on your FFT size. Please tell me the FFT number of points from the config screen, and your screen size width and height in pixels. I may have to use a different top level window to fix this.

Jim
N2ADR

1579. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-03 15:28:33 UTC
From: jahlstr@...
Topic: 1519 Message: 1579

Hi Mike,

This conversation about SoftRock is off-topic for this group on the HiQSDR transceiver. Let's move to the group

http://quisk.973856.n3.nabble.com/ http://quisk.973856.n3.nabble.com/

and I will answer you there. There are others there that may be able to help.

Jim
N2ADR

1580. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-03 22:49:02 UTC
From: Sid Boyce
Topic: 1519 Message: 1580

Thanks Jim,
So simple, I had missed "* 5 // 10" in line 2819.
73 ... Sid.

On 03/08/15 16:21, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> Please try these changes. Starting from line 2730:
>
> # print 'data, graph,fft', self.data_width, self.graph_width,
> self.fft_size
> self.width = self.screen_width * 10 // 10
> self.height = self.screen_height * 10 // 10
> self.main_frame = frame = QMainFrame(self.width, self.height)
>
> And on line 2819:
>
> self.main_frame.SetClientSizeWH(ww, self.screen_height * 10 // 10)
>
> These control the height. The width depends on your FFT size. Please
> tell me the FFT number of points from the config screen, and your
> screen size width and height in pixels. I may have to use a different
> top level window to fix this.
>
> Jim
> N2ADR
>

--
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1581. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-04 06:48:32 UTC
From: Sid Boyce
Topic: 1519 Message: 1581

Hi Jim,
Another hopefully easy to fix one.

I would like to have the waterfall split so that e.g clicking on Wfall
will automatically split the display 50% spectrum and 50% waterfall.

I can do so manually using the mouse but touch doesn't bring up the
double-headed arrow to allow it to be done.
73 ... Sid.

On 03/08/15 16:21, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> Please try these changes. Starting from line 2730:
>
> # print 'data, graph,fft', self.data_width, self.graph_width,
> self.fft_size
> self.width = self.screen_width * 10 // 10
> self.height = self.screen_height * 10 // 10
> self.main_frame = frame = QMainFrame(self.width, self.height)
>
> And on line 2819:
>
> self.main_frame.SetClientSizeWH(ww, self.screen_height * 10 // 10)
>
> These control the height. The width depends on your FFT size. Please
> tell me the FFT number of points from the config screen, and your
> screen size width and height in pixels. I may have to use a different
> top level window to fix this.
>
> Jim
> N2ADR
>

--
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1582. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-04 11:24:11 UTC
From: jahlstr@...
Topic: 1519 Message: 1582

Hold on. Does that mean everything works? If so I can put an option in the config file to run full screen.

Jim
N2ADR

1583. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-04 11:27:37 UTC
From: jahlstr@...
Topic: 1519 Message: 1583

There is a config option
waterfall_graph_size = 80

to set the initial waterfall size in pixels. Clicking on the waterfall tunes the frequency, so is not available. The problem is not to write the feature, but how to make the GUI.

Jim
N2ADR

1584. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-04 20:06:27 UTC
From: Sid Boyce
Topic: 1519 Message: 1584

Hi Jim,
With the changes all at "10 // 10" full screen works.

The config option would be appreciated.
73 ... Sid.

On 04/08/15 12:24, jahlstr@... [n2adr-sdr] wrote:
>
> Hold on. Does that mean everything works? If so I can put an option
> in the config file to run full screen.
>
>
> Jim
> N2ADR
>

--
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1585. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-04 20:58:27 UTC
From: Sid Boyce
Topic: 1519 Message: 1585

With 80 the graph only displays 20 - 80dBm. I have set it to 140,
displaying 20 -140 dBm.
Clicking on the graph or waterfall sections both tunes the frequency.
73 ... Sid.

On 04/08/15 12:27, jahlstr@... [n2adr-sdr] wrote:
>
> There is a config option
>
>
> waterfall_graph_size = 80
>
> to set the initial waterfall size in pixels. Clicking on the
> waterfall tunes the frequency, so is not available. The problem is
> not to write the feature, but how to make the GUI.
>
> Jim
> N2ADR
>
>

--
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1586. Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 04:16:39 UTC
From: la3jj@...
Topic: 1586 Message: 1586

Hi Jim and all,
I am using Quisk now with wspr. (or the other way around)
The OS is Ubuntu 15.04.
It has not been so easy until now because of the CAT problems mentioned in one of your documents.
Now with the wsjtx 1.6.0 dev the Hamlib is complete and includes rig 2.
So it was quite easy to get them running together using localhost:4575 ;-)

As you probably know wspr uses audio centered around 1500Hz.
So it would have been nice to be able to vary the bw around that and not with a fixed 300Hz offset in the DGT mode.
I have tried to make some small simple changes to the quisk.py file and ended up with something that looked very nice and 1500Hz-centered on the display. When testing it I found that the actual audio was still with 300Hz fixed offset. I have just entered into your Yahoo group and searched here but not found any clues?
Is there a way for doing this?
I am using the 3.6.22.

73
Jon Ove, la3jj

1587. Re: [n2adr-sdr] Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 05:54:37 UTC
From: Mike
Topic: 1586 Message: 1587

Shoot ... don't tell me that i haft to upgrade my OS from 14.04 just to
get version 4.9 of libgomp1 so that i can use Version1.6 of wsjtx ?

bummer ....

Jon ... current version of quisk is 3.7.2 ... ill assume you had a typo ...

On 08/04/2015 09:16 PM, la3jj@... [n2adr-sdr] wrote:
> Hi Jim and all,
> I am using Quisk now with wspr. (or the other way around)
> The OS is Ubuntu 15.04.
> It has not been so easy until now because of the CAT problems
> mentioned in one of your documents.
> Now with the wsjtx 1.6.0 dev the Hamlib is complete and includes rig 2.
> So it was quite easy to get them running together using localhost:4575 ;-)
>
> As you probably know wspr uses audio centered around 1500Hz.
> So it would have been nice to be able to vary the bw around that and
> not with a fixed 300Hz offset in the DGT mode.
> I have tried to make some small simple changes to the quisk.py file
> and ended up with something that looked very nice and 1500Hz-centered
> on the display. When testing it I found that the actual audio was
> still with 300Hz fixed offset. I have just entered into your Yahoo
> group and searched here but not found any clues?
> Is there a way for doing this?
> I am using the 3.6.22.
> 73
> Jon Ove, la3jj
>
>
>

--
Mike KC7NOA

1588. Re: [n2adr-sdr] Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 06:21:55 UTC
From: la3jj@...
Topic: 1586 Message: 1588

Hi Mike, Sorry I am not so very fluent in your language to fully understand or comment on the shoot and bummer part.
- it works just as well on Ubuntu 14.04 which I am using mostly. I'm not from home QTH now so I am using my ASUS laptop just converted from W7 to Ubuntu 15.04
- I was using the older version for this experiment as 3.7 was new then..
I have posted some screenshots showing both JT65 and WSPR to the LA3JJ album.
I have several SDR rigs here, the one in use on the screenshots is the FiFi SDR which is my travelling rx.
Thanks for your comments!

73
Jon Ove, la3jj

1589. Re: [n2adr-sdr] Quisk 3.7.2

Yahoo group: n2adr-sdr
Date: 2015-08-05 07:45:43 UTC
From: Sid Boyce
Topic: 1519 Message: 1589

Hi Jim,
On reflection I thought it odd that the mouse could resize the waterfall height but touch couldn't.
Looking at it again, touch works but is a bit fiddly compared to using the mouse.

I kept at it until the dividing line was highlighted, the double headed arrow appears and the waterfall height can be adjusted.
73 ... Sid.

On 04/08/15 21:58, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> With 80 the graph only displays 20 - 80dBm. I have set it to 140,
> displaying 20 -140 dBm.
> Clicking on the graph or waterfall sections both tunes the frequency.
> 73 ... Sid.
>
> On 04/08/15 12:27, jahlstr@... [n2adr-sdr] wrote:
>> There is a config option
>>
>>
>> waterfall_graph_size = 80
>>
>> to set the initial waterfall size in pixels. Clicking on the
>> waterfall tunes the frequency, so is not available. The problem is
>> not to write the feature, but how to make the GUI.
>>
>> Jim
>> N2ADR
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1590. Re: Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 10:17:34 UTC
From: la3jj@...
Topic: 1586 Message: 1590

Hi all, I have now downloaded and compiled the 3.7.2 version. it makes no difference for my application, as would also be expected from reading the change log.
My question is still open for any comment/advice. In a few days when I am back home I will read the code in quisk.py more carefully and try to understand why my first attempt to make DGT bw 1500Hz-centered did not succeed.

73
Jon Ove, la3jj

1591. Re: [n2adr-sdr] Re: Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 14:12:32 UTC
From: <Patriot121@...>
Topic: 1586 Message: 1591

Try to follow the freedv code section .. I think freedv is also centered on 1500

Sent by Outlook for Android

On Wed, Aug 5, 2015 at 3:17 AM -0700, "la3jj@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
Hi all, I have now downloaded and compiled the 3.7.2 version. it makes no difference for my application, as would also be expected from reading the change log.
My question is still open for any comment/advice. In a few days when I am back home I will read the code in quisk.py more carefully and try to understand why my first attempt to make DGT bw 1500Hz-centered did not succeed.

73
Jon Ove, la3jj

1592. Re: Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 16:04:44 UTC
From: jahlstr@...
Topic: 1586 Message: 1592

Hello Jon,

If I understand you correctly, you want a filter that selects a narrow bandwidth centered at 1500 Hz. But wspr is designed to work within the 3000 Hz bandwidth of a regular radio, and wspr does its own tuning and filtering. In the past, users have asked me to make the filter bandwidths wider, not narrower, so that fldigi (for example) could see and tune to more of the spectrum.

Take a look at the FDV mode, and see if the filters there are closer to what you want.

Jim
N2ADR

1593. Re: Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 17:47:05 UTC
From: la3jj@...
Topic: 1586 Message: 1593

Thanks Jim and Mike for good advice. I have made some more changes to the code and it works!

I know Jim that WSPR is designed to work with full SSB bw.
Still at times with QRM from strong RTTY's I would like to be able to use a bit narrower pass-band. Now I have the full flexibility from 400 to 3000Hz centered at 1500.

73
Jon Ove, la3jj

1594. Re: Quisk and WSPR

Yahoo group: n2adr-sdr
Date: 2015-08-05 18:42:03 UTC
From: la3jj@...
Topic: 1586 Message: 1594

The changes I made was quite easy, just changing the lines that control the display bw and the actual filter bw to the same code used for FDV! I have posted a last pixt that shows the success to the LA3JJ album.

73
Jon Ove, la3jj

1595. Re: Spot tuning from Quisk

Yahoo group: n2adr-sdr
Date: 2015-08-07 15:52:50 UTC
From: jahlstr@...
Topic: 1535 Message: 1595

Hello Graeme,

There will be a config file option spot_button_keys_tx=True in the next release. The default is False. That should do what you want.

Jim
N2ADR

1596. Re: Spot tuning from Quisk

Yahoo group: n2adr-sdr
Date: 2015-08-07 16:56:52 UTC
From: gvjury@...
Topic: 1535 Message: 1596

That's really decent of you Jim, much appreciated and looking forward to the next release.

73 de Graeme, ZL2APV

1597. Mod to HiQSDR

Yahoo group: n2adr-sdr
Date: 2015-08-08 04:22:06 UTC
From: gvjury@...
Topic: 1597 Message: 1597

A while ago a mod to HiQSDR was published to improve the mid-range power and better working point for the MMIC with resultant improvment to IMD3. One of the things to do was to replace the choke L10 with a 2.2 uH choke. I did this but was never really happy with my result and figured that the Q of my replacement was very low and the DC resistance too high.

I measured a ferrite bead at 50 MHz with the VNA and found that 2 turns through it = 2.8 uH which is very close to the desired value. After installing this I got good improvements in power and a seemingly better output but it was only by observing the sinewave which seemed more sine like and is somewhat subjective.

I think this may be a very cheap effective way to do the mod with maybe some performance advantages.

73 Graeme ZL2APV

1598. Re: [n2adr-sdr] Mod to HiQSDR

Yahoo group: n2adr-sdr
Date: 2015-08-08 08:23:10 UTC
From: <hgoebkes@...>
Topic: 1597 Message: 1598

Hi Graeme,

yes, you are right, hi-Q and low resistance is important for the choke.
I know that the proposed choke is hard to get due to its hi-Q, and your way to replace it is a perfect replacement!

73! Helmut, DB1CC

From: gvjury@... [n2adr-sdr]
Sent: Saturday, August 08, 2015 6:22 AM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Mod to HiQSDR

A while ago a mod to HiQSDR was published to improve the mid-range power and better working point for the MMIC with resultant improvment to IMD3. One of the things to do was to replace the choke L10 with a 2.2 uH choke. I did this but was never really happy with my result and figured that the Q of my replacement was very low and the DC resistance too high.

I measured a ferrite bead at 50 MHz with the VNA and found that 2 turns through it = 2.8 uH which is very close to the desired value. After installing this I got good improvements in power and a seemingly better output but it was only by observing the sinewave which seemed more sine like and is somewhat subjective.

I think this may be a very cheap effective way to do the mod with maybe some performance advantages.

73 Graeme ZL2APV

Diese E-Mail wurde von Avast Antivirus-Software auf Viren geprüft.
https://www.avast.com/antivirus

1599. Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-10 16:19:04 UTC
From: jahlstr@...
Topic: 1599 Message: 1599

The Spot button transmits a variable level carrier in all modes, not just SSB. The new config file option "spot_button_keys_tx = True" will cause the Spot button to key the transmitter. The default is False. The up button for the Favorites screen used to set the frequency in Hertz, but the frequencies must be in Megahertz. The ctcss was also broken. This has been fixed.

I added a new Hermes-Lite model configuration file hermes/quisk_conf2.py. This is for use by people who can program in Python and want to add features to Quisk. It is set up to send the Spot button status on the J16 connector. Quisk now operates in CW mode using the new Hermes-Lite key input. For other modes, use the PTT button. On the Hermes,
use the PTT button with Spot, even for CW. The CW key always transmits full power CW even if the mode is not CW.

There is now an option to receive microphone samples from a UDP device. This is used for SDR hardware that has a built-in codec. See quisk_conf_defaults.py.

The FreeDV code was completely rewritten. It is now simpler, and it is easier to change to a newer libcodec2. See the file freedvpkg/README.txt. If anyone is running on Apple OSX, and has problems, email me, and look at freedv.c.

The config file option graph_width=0.8 sets the width of the graph. If this is set to exactly 1.0, Quisk will run in full-screen mode. This is meant for built-in screens, tablets etc. that lack window management.

Jim

N2ADR

1600. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-10 18:38:27 UTC
From: Mike
Topic: 1599 Message: 1600

Glad to hear ...

Im also keen to hear that quisk can be set to start full screen ..... Im not using a tablet but a external touchscreen because my HDMI is blown.

I have Quisk starting apon bootup ... is there a way to always have Vox set on when started?

On 08/10/2015 09:19 AM, jahlstr@gmail.com [n2adr-sdr] wrote:
>
> The Spot button transmits a variable level carrier in all modes, not
> just SSB. The new config file option "spot_button_keys_tx = True"
> will cause the Spot button to key the transmitter. The default is
> False. The up button for the Favorites screen used to set the
> frequency in Hertz, but the frequencies must be in Megahertz. The
> ctcss was also broken. This has been fixed.
>
>
> I added a new Hermes-Lite model configuration file
> hermes/quisk_conf2.py. This is for use by people who can program in
> Python and want to add features to Quisk. It is set up to send the
> Spot button status on the J16 connector. Quisk now operates in CW
> mode using the new Hermes-Lite key input. For other modes, use the
> PTT button. On the Hermes,
>
> use the PTT button with Spot, even for CW. The CW key always
> transmits full power CW even if the mode is not CW.
>
>
> There is now an option to receive microphone samples from a UDP
> device. This is used for SDR hardware that has a built-in codec. See
> quisk_conf_defaults.py.
>
>
> The FreeDV code was completely rewritten. It is now simpler, and it
> is easier to change to a newer libcodec2. See the file
> freedvpkg/README.txt. If anyone is running on Apple OSX, and has
> problems, email me, and look at freedv.c.
>
>
> The config file option graph_width=0.8 sets the width of the graph.
> If this is set to exactly 1.0, Quisk will run in full-screen mode.
> This is meant for built-in screens, tablets etc. that lack window
> management.
>
>

> Jim
>
> N2ADR
>
>
>
>

--
Mike KC7NOA

1601. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-10 19:57:44 UTC
From: Mike
Topic: 1599 Message: 1601

Cool .. yep, ctcss ia fixed and worked IEVHF repeater with 18mW .....

using the graph_width= 1.0 didn't work for me ... its all good, i do
have screen management .... im not a tablet user.

Now new feature request .... ctcss squelch for FM ...
the existing squelch is kinda iffy.... even with a 20db difference (some
times) from floor to FM carrier it still might not open ...

Any ways.. guess its time to get to work and build a 11 element beam for
70cm and 1.25M .... and replace my Arrow Jpole .

Thanks for the wonderful work Jim ....

On 08/10/2015 11:38 AM, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Glad to hear ...
>
> Im also keen to hear that quisk can be set to start full screen .....
> Im not using a tablet but a external touchscreen because my HDMI is blown.
>
> I have Quisk starting apon bootup ... is there a way to always have
> Vox set on when started?
>
>
>
> On 08/10/2015 09:19 AM, jahlstr@... [n2adr-sdr] wrote:
>>
>> The Spot button transmits a variable level carrier in all modes, not
>> just SSB. The new config file option "spot_button_keys_tx = True"
>> will cause the Spot button to key the transmitter. The default is
>> False. The up button for the Favorites screen used to set the
>> frequency in Hertz, but the frequencies must be in Megahertz. The
>> ctcss was also broken. This has been fixed.
>>
>>
>> I added a new Hermes-Lite model configuration file
>> hermes/quisk_conf2.py. This is for use by people who can program in
>> Python and want to add features to Quisk. It is set up to send the
>> Spot button status on the J16 connector. Quisk now operates in CW
>> mode using the new Hermes-Lite key input. For other modes, use the
>> PTT button. On the Hermes,
>>
>> use the PTT button with Spot, even for CW. The CW key always
>> transmits full power CW even if the mode is not CW.
>>

>>
>> There is now an option to receive microphone samples from a UDP
>> device. This is used for SDR hardware that has a built-in codec.
>> See quisk_conf_defaults.py.
>>
>>
>> The FreeDV code was completely rewritten. It is now simpler, and it
>> is easier to change to a newer libcodec2. See the file
>> freedvpkg/README.txt. If anyone is running on Apple OSX, and has
>> problems, email me, and look at freedv.c.
>>
>>
>> The config file option graph_width=0.8 sets the width of the graph.
>> If this is set to exactly 1.0, Quisk will run in full-screen mode.
>> This is meant for built-in screens, tablets etc. that lack window
>> management.
>>
>>
>> Jim
>>
>> N2ADR
>>
>>
>>
>
> --
> Mike KC7NOA
>

--
Mike KC7NOA

1602. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 06:32:43 UTC
From: Sid Boyce
Topic: 1599 Message: 1602

Hi Jim,
The width is fine but the height is still a bit more than 1/3 of the 7" screen.

I haven't altered quisk.py.
Options I have tried with and without graph_height=1.0:-
Konsole output
from hiqsdr import quisk_hardware

add_imd_button = 1
add_fdx_button = 1
latency_millisecs = 50
button_font_size = 10
graph_width=0.9
graph_height=1.0
waterfall_graph_size = 140
73 ... Sid.

On 10/08/15 17:19, jahlstr@... [n2adr-sdr] wrote:
>
> The Spot button transmits a variable level carrier in all modes, not
> just SSB. The new config file option "spot_button_keys_tx = True"
> will cause the Spot button to key the transmitter. The default is
> False. The up button for the Favorites screen used to set the
> frequency in Hertz, but the frequencies must be in Megahertz. The
> ctcss was also broken. This has been fixed.
>
>
> I added a new Hermes-Lite model configuration file
> hermes/quisk_conf2.py. This is for use by people who can program in
> Python and want to add features to Quisk. It is set up to send the
> Spot button status on the J16 connector. Quisk now operates in CW
> mode using the new Hermes-Lite key input. For other modes, use the
> PTT button. On the Hermes,
>
> use the PTT button with Spot, even for CW. The CW key always
> transmits full power CW even if the mode is not CW.
>
>
> There is now an option to receive microphone samples from a UDP
> device. This is used for SDR hardware that has a built-in codec. See
> quisk_conf_defaults.py.
>
>
> The FreeDV code was completely rewritten. It is now simpler, and it
> is easier to change to a newer libcodec2. See the file

> freedvpkg/README.txt. If anyone is running on Apple OSX, and has
> problems, email me, and look at freedv.c.
>
>
> The config file option graph_width=0.8 sets the width of the graph.
> If this is set to exactly 1.0, Quisk will run in full-screen mode.
> This is meant for built-in screens, tablets etc. that lack window
> management.
>
>
> Jim
>
> N2ADR
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1603. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 07:00:48 UTC
From: Sid Boyce
Topic: 1599 Message: 1603

In quisk.py with
Konsole output
self.height = application.screen_height * 10 // 10
The height is full screen but graph_width=0.9 cuts off most of Zo and I have to reduce it to 0.8 to get all in but I only get 3/4 full width.
73 ... Sid.

On 11/08/15 07:32, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> The width is fine but the height is still a bit more than 1/3 of the 7"
> screen.
>
> I haven't altered quisk.py.
> Options I have tried with and without graph_height=1.0:-
> Konsole output
> from hiqsdr import quisk_hardware
>
> add_imd_button = 1
> add_fdx_button = 1
> latency_millisecs = 50
> button_font_size = 10
> graph_width=0.9
> graph_height=1.0
> waterfall_graph_size = 140
> 73 ... Sid.
>
> On 10/08/15 17:19, jahlstr@... [n2adr-sdr] wrote:
>> The Spot button transmits a variable level carrier in all modes, not
>> just SSB. The new config file option "spot_button_keys_tx = True"
>> will cause the Spot button to key the transmitter. The default is
>> False. The up button for the Favorites screen used to set the
>> frequency in Hertz, but the frequencies must be in Megahertz. The
>> ctcss was also broken. This has been fixed.
>>
>>
>> I added a new Hermes-Lite model configuration file
>> hermes/quisk_conf2.py. This is for use by people who can program in
>> Python and want to add features to Quisk. It is set up to send the
>> Spot button status on the J16 connector. Quisk now operates in CW
>> mode using the new Hermes-Lite key input. For other modes, use the
>> PTT button. On the Hermes,
>>
>> use the PTT button with Spot, even for CW. The CW key always
>> transmits full power CW even if the mode is not CW.
>>

>>
>> There is now an option to receive microphone samples from a UDP
>> device. This is used for SDR hardware that has a built-in codec. See
>> quisk_conf_defaults.py.
>>
>>
>> The FreeDV code was completely rewritten. It is now simpler, and it
>> is easier to change to a newer libcodec2. See the file
>> freedvpkg/README.txt. If anyone is running on Apple OSX, and has
>> problems, email me, and look at freedv.c.
>>
>>
>> The config file option graph_width=0.8 sets the width of the graph.
>> If this is set to exactly 1.0, Quisk will run in full-screen mode.
>> This is meant for built-in screens, tablets etc. that lack window
>> management.
>>
>>
>> Jim
>>
>> N2ADR
>>
>>
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1604. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 14:32:08 UTC
From: jahlstr@...
Topic: 1599 Message: 1604

The VOX can be set on with a special hardware file that you write. Otherwise, no.

Jim
N2ADR

1605. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 14:55:55 UTC
From: jahlstr@...
Topic: 1599 Message: 1605

It looks like graph_width=1.0 is not going to be sufficient. Mike KC7NOA also reports problems. The exact width 1.0 triggers special code that should produce a full screen display, and does on my PC monitor. But I don't have a display without window management, and I don't have your exact display. It is always hard to write software that I can't really test.

I will try again for the next release. Meanwhile, if you want to experiment, look at quisk.py. The screen size is set at line 2640. This is used to set the window size at line 2754. The window is resized at line 2846. Searching for "if conf.graph_width" will show the new logic.

There is a complication that the graph width must be a sub-multiple of the FFT size, and the FFT size must have many small factors for efficiency. Another problem is whether the close-window "X" is in the top of the window in the case of no window management. That "X" is used to exit Quisk, and needs to be present.

It would help me if you could tell me the pixel size of your display, and the rectangle returned by wx.Display().GetClientArea() and wx.Display().GetGeometry(). And is there an "X" at the top of your window?

Jim
N2ADR

1606. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 16:12:14 UTC
From: Mike
Topic: 1599 Message: 1606

When i did graph_width=1.0 .. display was full height but about an inch wider than what my screen is .... guessing by what was cut off .... it was close.

On 08/11/2015 07:55 AM, jahlstr@... [n2adr-sdr] wrote:
>
> It looks like graph_width=1.0 is not going to be sufficient. Mike
> KC7NOA also reports problems. The exact width 1.0 triggers special
> code that should produce a full screen display, and does on my PC
> monitor. But I don't have a display without window management, and I
> don't have your exact display. It is always hard to write software
> that I can't really test.
>
>
> I will try again for the next release. Meanwhile, if you want to
> experiment, look at quisk.py. The screen size is set at line 2640.
> This is used to set the window size at line 2754. The window is
> resized at line 2846. Searching for "if conf.graph_width" will show
> the new logic.
>
> There is a complication that the graph width must be a sub-multiple of
> the FFT size, and the FFT size must have many small factors for
> efficiency. Another problem is whether the close-window "X" is in the
> top of the window in the case of no window management. That "X" is
> used to exit Quisk, and needs to be present.
>
> It would help me if you could tell me the pixel size of your display,
> and the rectangle returned by wx.Display().GetClientArea()
> and wx.Display().GetGeometry(). And is there an "X" at the top of
> your window?
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1607. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 16:14:15 UTC
From: Mike
Topic: 1599 Message: 1607

ok.. as soon as i get to my UHFSDR ill do that ....

should this be done in terminal .. after typing python ?

On 08/11/2015 07:55 AM, jahlstr@... [n2adr-sdr] wrote:
> It would help me if you could tell me the pixel size of your display,
> and the rectangle returned by wx.Display().GetClientArea()
> and wx.Display().GetGeometry(). And is there an "X" at the top of
> your window?

--
Mike KC7NOA

1608. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 17:35:27 UTC
From: jahlstr@...
Topic: 1599 Message: 1608

I would just put print statements into quisk.py about line 2636.

Jim

1609. Re: Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 20:57:17 UTC
From: gvjury@...
Topic: 1599 Message: 1609

Hi Jim,

Yet again thanks for the new Quisk and again with meaningful and useful changes. I have been away in our caravan and got back to find this little present. I will install it later today after I wade through the heap of list postings.

Particularly thanks for the spot button change. Making it a config option is a great idea as everyone can be satisfied. I also think extending the spot signal to J16 on HL is an excellent idea as I can use this to trigger my home made auto tuner. I will look into how I can use the "I have finished tuning" signal from the tuner to tell Quisk to finish spot tuning and report back in due course.

Great job!

73, Graeme ZL2APV

1610. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-11 22:01:24 UTC
From: Mike
Topic: 1599 Message: 1610

(0, 0, 1024, 583)
(0, 0, 1024, 600)

when i resized the screen with the "+" button ... there was no change in
these values that was out puted by wx.python:sdtout

On 08/11/2015 10:35 AM, jahlstr@... [n2adr-sdr] wrote:
>
> I would just put print statements into quisk.py about line 2636.
>
>
> Jim
>

--
Mike KC7NOA

1611. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 00:02:28 UTC
From: jahlstr@...
Topic: 1599 Message: 1611

Thanks Mike. Is your display resolution 1024 by 600?

Jim

1612. Re: Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 00:11:28 UTC
From: jahlstr@...
Topic: 1599 Message: 1612

Thanks Graeme. I appreciate your interest in Quisk.

Jim
N2ADR

1613. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 02:33:30 UTC
From: Mike
Topic: 1599 Message: 1613

I do belive so ...

```
odroid@odroid:~$ export DISPLAY=:0.0
odroid@odroid:~$ xdpyinfo | grep dimensions dimensions: 1024x600
pixels (271x159 millimeters)
odroid@odroid:~$
```

7" iMo ....

On 08/11/2015 05:02 PM, jahlstr@gmail.com [n2adr-sdr] wrote:
>
> Thanks Mike. Is your display resolution 1024 by 600?
>
>
> Jim
>

--
Mike KC7NOA

1614. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 07:25:57 UTC
From: Sid Boyce
Topic: 1599 Message: 1614

Hi Jim,
My display size of the 7" touchscreen is 800x480
73 ... Sid.

On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>
> Thanks Mike. Is your display resolution 1024 by 600?
>
>
> Jim
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1615. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 15:15:50 UTC
From: Mike
Topic: 1599 Message: 1615

Sid .. is that what the inserted print statements returned ....?

The specs for my display are the same as yours .... 800 X 480 .... but
1024 X 600 (returned value by print statement) seems to work fine ....

cant for the life of me remember how to get xrandr to tell me the
current resolution (ssh connection)

On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> My display size of the 7" touchscreen is 800x480
> 73 ... Sid.
>
> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>> Thanks Mike. Is your display resolution 1024 by 600?
>>
>>
>> Jim
>>
>

--
Mike KC7NOA

1616. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 20:31:52 UTC
From: gvjury@...
Topic: 1599 Message: 1616

```
gvj@gvj-Mint ~ $ xrandr -q
Screen 0: minimum 8 x 8, current 1680 x 1050, maximum 4096 x 4096
VGA-0 connected primary 1680x1050+0+0 (normal left inverted right x axis y axis) 473mm x
296mm
1680x1050 60.0*+
1600x1000 60.0
1440x900 59.9
1280x1024 75.0 60.0
1280x960 60.0
1152x720 60.0
1024x768 75.0 60.0
800x600 75.0 60.3
640x480 75.0 59.9
gvj@gvj-Mint ~ $
```

1617. New file uploaded to n2adr-sdr

Yahoo group: n2adr-sdr
Date: 2015-08-12 20:45:15 UTC
From: n2adr-sdr@yahoogroups.com
Topic: 88 Message: 1617

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the n2adr-sdr
group.

File : /rolin791/ZeusRadio2.8.5beta50.zip
Uploaded by : rolin791 <rolin791@...>
Description : Zeus Radio

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/n2adr-sdr/files/rolin791/ZeusRadio2.8.5beta50.zip

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

rolin791 <rolin791@...>

1618. Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-08-12 20:54:40 UTC
From: rolin791@...
Topic: 1327 Message: 1618

Zeus Radio support now N2ADR/HiqSDR protocol with TX, external control and Tx predistortion mode. Last version in my folder here https://xa.yimg.com/df/n2adr-sdr/ZeusRadio2.8.5beta50.zip?token=HS4OboB_8sOW9EVbqWzJAyuSAH5awyXzbBMUOyCsguyF9KJ_qqfPWJzI5Y5qHn1NI_59Hi2zADAZIOCMkDcltkHJ2Sqmbu4r6WDZvkIOdtIPhoyj3_3Cd-IKTkErh06j&type=download. It will be helpful if you will give comments.

1619. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-12 23:41:26 UTC
From: Sid Boyce
Topic: 1599 Message: 1619

I'll have to check by running startx, opening a terminal and running
xdpyinfo.
73 ... Sid.

On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
> Sid .. is that what the inserted print statements returned ....?
>
> The specs for my display are the same as yours .... 800 X 480 .... but
> 1024 X 600 (returned value by print statement) seems to work fine ....
>
> cant for the life of me remember how to get xrandr to tell me the
> current resolution (ssh connection)
>
> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Hi Jim,
>> My display size of the 7" touchscreen is 800x480
>> 73 ... Sid.
>>
>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>
>>>
>>> Jim
>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1620. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-13 16:32:52 UTC
From: Sid Boyce
Topic: 1599 Message: 1620

```
Konsole output
Hmmmmm.... This is what I get from xdpyinfo.
screen #0:
dimensions: 1184x624 pixels (313x165 millimeters)
resolution: 96x96 dots per inch
depths (7): 16, 1, 4, 8, 15, 24, 32
root window id: 0xe2
depth of root window: 16 planes
number of colormaps: minimum 1, maximum 1
default colormap: 0x20
default number of colormap cells: 64
preallocated pixels: black 0, white 65535
options: backing-store NO, save-unders NO
73 ... Sid.

On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I'll have to check by running startx, opening a terminal and running
> xdpyinfo.
> 73 ... Sid.
>
> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>> Sid .. is that what the inserted print statements returned ....?
>>
>> The specs for my display are the same as yours .... 800 X 480 .... but
>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>
>> cant for the life of me remember how to get xrandr to tell me the
>> current resolution (ssh connection)
>>
>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> Hi Jim,
>>> My display size of the 7" touchscreen is 800x480
>>> 73 ... Sid.
>>>
>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>
>>>>
>>>> Jim
>>>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
```

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1621. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-13 17:23:49 UTC
From: Mike
Topic: 1599 Message: 1621

This is my output from xdpyinfo

looks like alot is not needed....

```
odroid@odroid:~$ xdpyinfo
name of display: :0.0
version number: 11.0
vendor string: The X.Org Foundation
vendor release number: 11501000
X.Org version: 1.15.1
maximum request size: 16777212 bytes
motion buffer size: 256
bitmap unit, bit order, padding: 32, LSBFirst, 32
image byte order: LSBFirst
number of supported pixmap formats: 7
supported pixmap formats:
depth 1, bits_per_pixel 1, scanline_pad 32
depth 4, bits_per_pixel 8, scanline_pad 32
depth 8, bits_per_pixel 8, scanline_pad 32
depth 15, bits_per_pixel 16, scanline_pad 32
depth 16, bits_per_pixel 16, scanline_pad 32
depth 24, bits_per_pixel 32, scanline_pad 32
depth 32, bits_per_pixel 32, scanline_pad 32
keycode range: minimum 8, maximum 255
focus: window 0x1e00137, revert to Parent
number of extensions: 29
BIG-REQUESTS
Composite
DAMAGE
DOUBLE-BUFFER
DPMS
DRI2
DRI3
GLX
Generic Event Extension
MIT-SCREEN-SAVER
MIT-SHM
Present
RANDR
RECORD
RENDER
SECURITY
SGI-GLX
SHAPE
SYNC
```

```
X-Resource
XC-MISC
XFIXES
XFree86-DGA
XFree86-VidModeExtension
XINERAMA
XInputExtension
XKEYBOARD
XTEST
XVideo
default screen number: 0
number of screens: 1

screen #0:
dimensions: 1024x600 pixels (271x159 millimeters)
resolution: 96x96 dots per inch
depths (7): 16, 1, 4, 8, 15, 24, 32
root window id: 0xc2
depth of root window: 16 planes
number of colormaps: minimum 1, maximum 1
default colormap: 0x20
default number of colormap cells: 64
preallocated pixels: black 0, white 65535
options: backing-store WHEN MAPPED, save-unders NO
largest cursor: 1024x600
current input event mask: 0x7a003c
ButtonPressMask ButtonReleaseMask EnterWindowMask
LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
SubstructureRedirectMask FocusChangeMask PropertyChangeMask
number of visuals: 33
default visual id: 0x21
visual:
visual id: 0x21
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 8 bits
visual:
visual id: 0xa2
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa3
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
```

```
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa4
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa5
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa6
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa7
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa8
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xa9
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xaa
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
significant bits in color specification: 6 bits
visual:
visual id: 0xab
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xac
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xad
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xae
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xaf
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb0
class: TrueColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb1
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
```

```
visual:
visual id: 0xb2
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb3
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb4
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb5
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb6
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb7
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xb8
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
```

```
visual id: 0xb9
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xba
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xbb
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xbc
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xbd
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xbe
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xbf
class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0xc0
```

class: DirectColor
depth: 16 planes
available colormap entries: 64 per subfield
red, green, blue masks: 0xf800, 0x7e0, 0x1f
significant bits in color specification: 6 bits
visual:
visual id: 0x41
class: TrueColor
depth: 32 planes
available colormap entries: 256 per subfield
red, green, blue masks: 0xff0000, 0xff00, 0xff
significant bits in color specification: 8 bits
odroid@odroid:~$

On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Konsole output
> Hmmmmm.... This is what I get from xdpyinfo.
> screen #0:
> dimensions: 1184x624 pixels (313x165 millimeters)
> resolution: 96x96 dots per inch
> depths (7): 16, 1, 4, 8, 15, 24, 32
> root window id: 0xe2
> depth of root window: 16 planes
> number of colormaps: minimum 1, maximum 1
> default colormap: 0x20
> default number of colormap cells: 64
> preallocated pixels: black 0, white 65535
> options: backing-store NO, save-unders NO
> 73 ... Sid.
>
> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I'll have to check by running startx, opening a terminal and running
>> xdpyinfo.
>> 73 ... Sid.
>>
>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Sid .. is that what the inserted print statements returned ....?
>>>
>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>
>>> cant for the life of me remember how to get xrandr to tell me the
>>> current resolution (ssh connection)
>>>
>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> Hi Jim,
>>>> My display size of the 7" touchscreen is 800x480
>>>> 73 ... Sid.
>>>>
>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:

>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>
>>>>>
>>>>> Jim
>>>>>
>

--
Mike KC7NOA

1622. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-13 18:57:30 UTC
From: Sid Boyce
Topic: 1599 Message: 1622

What I posted was just the part about the resolution.

I am using LXDE and lxrandr only offers that resolution and it's the default when I installed raspbian on the Pi 2.

I'll have to check the Pi model B to see what that comes up with.

I am running rasdr on the Pi model B and getting a display covering the complete screen area right up to the metal surround. I haven't tried quisk on the model B.
73 ... Sid.

On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
> This is my output from xdpyinfo
>
> looks like alot is not needed....
>
> odroid@odroid:~$ xdpyinfo
> name of display: :0.0
> version number: 11.0
> vendor string: The X.Org Foundation
> vendor release number: 11501000
> X.Org version: 1.15.1
> maximum request size: 16777212 bytes
> motion buffer size: 256
> bitmap unit, bit order, padding: 32, LSBFirst, 32
> image byte order: LSBFirst
> number of supported pixmap formats: 7
> supported pixmap formats:
> depth 1, bits_per_pixel 1, scanline_pad 32
> depth 4, bits_per_pixel 8, scanline_pad 32
> depth 8, bits_per_pixel 8, scanline_pad 32
> depth 15, bits_per_pixel 16, scanline_pad 32
> depth 16, bits_per_pixel 16, scanline_pad 32
> depth 24, bits_per_pixel 32, scanline_pad 32
> depth 32, bits_per_pixel 32, scanline_pad 32
> keycode range: minimum 8, maximum 255
> focus: window 0x1e00137, revert to Parent
> number of extensions: 29
> BIG-REQUESTS
> Composite
> DAMAGE
> DOUBLE-BUFFER
> DPMS
> DRI2
> DRI3

```
> GLX
> Generic Event Extension
> MIT-SCREEN-SAVER
> MIT-SHM
> Present
> RANDR
> RECORD
> RENDER
> SECURITY
> SGI-GLX
> SHAPE
> SYNC
> X-Resource
> XC-MISC
> XFIXES
> XFree86-DGA
> XFree86-VidModeExtension
> XINERAMA
> XInputExtension
> XKEYBOARD
> XTEST
> XVideo
> default screen number: 0
> number of screens: 1
>
> screen #0:
> dimensions: 1024x600 pixels (271x159 millimeters)
> resolution: 96x96 dots per inch
> depths (7): 16, 1, 4, 8, 15, 24, 32
> root window id: 0xc2
> depth of root window: 16 planes
> number of colormaps: minimum 1, maximum 1
> default colormap: 0x20
> default number of colormap cells: 64
> preallocated pixels: black 0, white 65535
> options: backing-store WHEN MAPPED, save-unders NO
> largest cursor: 1024x600
> current input event mask: 0x7a003c
> ButtonPressMask ButtonReleaseMask EnterWindowMask
> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
> number of visuals: 33
> default visual id: 0x21
> visual:
> visual id: 0x21
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 8 bits
```

```
> visual:
> visual id: 0xa2
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa3
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa4
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa5
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa6
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa7
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xa8
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
```

```
> visual id: 0xa9
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xaa
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xab
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xac
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xad
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xae
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xaf
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb0
```

```
> class: TrueColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb1
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb2
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb3
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb4
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb5
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb6
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb7
> class: DirectColor
```

```
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb8
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xb9
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xba
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xbb
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xbc
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xbd
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xbe
> class: DirectColor
> depth: 16 planes
```

> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xbf
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0xc0
> class: DirectColor
> depth: 16 planes
> available colormap entries: 64 per subfield
> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> significant bits in color specification: 6 bits
> visual:
> visual id: 0x41
> class: TrueColor
> depth: 32 planes
> available colormap entries: 256 per subfield
> red, green, blue masks: 0xff0000, 0xff00, 0xff
> significant bits in color specification: 8 bits
> odroid@odroid:~$
>
>
> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Konsole output
>> Hmmmmm.... This is what I get from xdpyinfo.
>> screen #0:
>> dimensions: 1184x624 pixels (313x165 millimeters)
>> resolution: 96x96 dots per inch
>> depths (7): 16, 1, 4, 8, 15, 24, 32
>> root window id: 0xe2
>> depth of root window: 16 planes
>> number of colormaps: minimum 1, maximum 1
>> default colormap: 0x20
>> default number of colormap cells: 64
>> preallocated pixels: black 0, white 65535
>> options: backing-store NO, save-unders NO
>> 73 ... Sid.
>>
>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> I'll have to check by running startx, opening a terminal and running
>>> xdpyinfo.
>>> 73 ... Sid.
>>>
>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> Sid .. is that what the inserted print statements returned ....?

>>>>
>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>
>>>> cant for the life of me remember how to get xrandr to tell me the
>>>> current resolution (ssh connection)
>>>>
>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> Hi Jim,
>>>>> My display size of the 7" touchscreen is 800x480
>>>>> 73 ... Sid.
>>>>>
>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>
>>>>>>
>>>>>> Jim
>>>>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1623. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-13 19:26:23 UTC
From: Sid Boyce
Topic: 1599 Message: 1623

Setting self.screen_height and self.screen_width in quisk.py to "10 //
10" it's close, 0.4" top and bottom borders and 0.3" left and right
borders with just Zo truncated.
Close enough to be usable.
Konsole output
73 ... Sid.

On 13/08/15 19:57, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> What I posted was just the part about the resolution.
>
> I am using LXDE and lxrandr only offers that resolution and it's the
> default when I installed raspbian on the Pi 2.
>
> I'll have to check the Pi model B to see what that comes up with.
>
> I am running rasdr on the Pi model B and getting a display covering the
> complete screen area right up to the metal surround. I haven't tried
> quisk on the model B.
> 73 ... Sid.
>
> On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
>> This is my output from xdpyinfo
>>
>> looks like alot is not needed....
>>
>> odroid@odroid:~$ xdpyinfo
>> name of display: :0.0
>> version number: 11.0
>> vendor string: The X.Org Foundation
>> vendor release number: 11501000
>> X.Org version: 1.15.1
>> maximum request size: 16777212 bytes
>> motion buffer size: 256
>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>> image byte order: LSBFirst
>> number of supported pixmap formats: 7
>> supported pixmap formats:
>> depth 1, bits_per_pixel 1, scanline_pad 32
>> depth 4, bits_per_pixel 8, scanline_pad 32
>> depth 8, bits_per_pixel 8, scanline_pad 32
>> depth 15, bits_per_pixel 16, scanline_pad 32
>> depth 16, bits_per_pixel 16, scanline_pad 32
>> depth 24, bits_per_pixel 32, scanline_pad 32
>> depth 32, bits_per_pixel 32, scanline_pad 32
>> keycode range: minimum 8, maximum 255

```
>> focus: window 0x1e00137, revert to Parent
>> number of extensions: 29
>> BIG-REQUESTS
>> Composite
>> DAMAGE
>> DOUBLE-BUFFER
>> DPMS
>> DRI2
>> DRI3
>> GLX
>> Generic Event Extension
>> MIT-SCREEN-SAVER
>> MIT-SHM
>> Present
>> RANDR
>> RECORD
>> RENDER
>> SECURITY
>> SGI-GLX
>> SHAPE
>> SYNC
>> X-Resource
>> XC-MISC
>> XFIXES
>> XFree86-DGA
>> XFree86-VidModeExtension
>> XINERAMA
>> XInputExtension
>> XKEYBOARD
>> XTEST
>> XVideo
>> default screen number: 0
>> number of screens: 1
>>
>> screen #0:
>> dimensions: 1024x600 pixels (271x159 millimeters)
>> resolution: 96x96 dots per inch
>> depths (7): 16, 1, 4, 8, 15, 24, 32
>> root window id: 0xc2
>> depth of root window: 16 planes
>> number of colormaps: minimum 1, maximum 1
>> default colormap: 0x20
>> default number of colormap cells: 64
>> preallocated pixels: black 0, white 65535
>> options: backing-store WHEN MAPPED, save-unders NO
>> largest cursor: 1024x600
>> current input event mask: 0x7a003c
>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
```

```
>> number of visuals: 33
>> default visual id: 0x21
>> visual:
>> visual id: 0x21
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 8 bits
>> visual:
>> visual id: 0xa2
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa3
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa4
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa5
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa6
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa7
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa8
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xa9
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xaa
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xab
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xac
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xad
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xae
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
```

```
>> visual:
>> visual id: 0xaf
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb0
>> class: TrueColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb1
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb2
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb3
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb4
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb5
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
```

```
>> visual id: 0xb6
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb7
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb8
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xb9
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xba
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xbb
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xbc
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xbd
```

>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xbe
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xbf
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0xc0
>> class: DirectColor
>> depth: 16 planes
>> available colormap entries: 64 per subfield
>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>> significant bits in color specification: 6 bits
>> visual:
>> visual id: 0x41
>> class: TrueColor
>> depth: 32 planes
>> available colormap entries: 256 per subfield
>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>> significant bits in color specification: 8 bits
>> odroid@odroid:~$
>>
>>
>> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> Konsole output
>>> Hmmmmm.... This is what I get from xdpyinfo.
>>> screen #0:
>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>> resolution: 96x96 dots per inch
>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>> root window id: 0xe2
>>> depth of root window: 16 planes
>>> number of colormaps: minimum 1, maximum 1
>>> default colormap: 0x20
>>> default number of colormap cells: 64
>>> preallocated pixels: black 0, white 65535
>>> options: backing-store NO, save-unders NO

>>> 73 ... Sid.
>>>
>>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> I'll have to check by running startx, opening a terminal and running
>>>> xdpyinfo.
>>>> 73 ... Sid.
>>>>
>>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>
>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>
>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>> current resolution (ssh connection)
>>>>>
>>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>> Hi Jim,
>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>
>>>>>>>
>>>>>>> Jim
>>>>>>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1624. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-14 12:36:31 UTC
From: jahlstr@...
Topic: 1599 Message: 1624

Thank you to both Sid and Mike. I think we need a feature that starts with the window width and height in pixels, and tries to fit the graph inside. The current code operates the other way around, because it is depending on the window manager, and assuming that the user will resize the window. The complication is the FFT size, and thus the graph size. The FFT size must have many small integer factors for efficiency. This new feature will be in the next release. Let me know if you want an early version. The only changed file is quisk.py.

Jim
N2ADR

1625. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-14 14:10:34 UTC
From: Mike
Topic: 1599 Message: 1625

sure ... ill use the early version ...

On 08/14/2015 05:36 AM, jahlstr@gmail.com [n2adr-sdr] wrote:
>
> Thank you to both Sid and Mike. I think we need a feature that starts
> with the window width and height in pixels, and tries to fit the graph
> inside. The current code operates the other way around, because it is
> depending on the window manager, and assuming that the user will
> resize the window. The complication is the FFT size, and thus the
> graph size. The FFT size must have many small integer factors for
> efficiency. This new feature will be in the next release. Let me
> know if you want an early version. The only changed file is quisk.py.
>
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1626. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-15 00:03:02 UTC
From: Sid Boyce
Topic: 1599 Message: 1626

---- ditto ----
So I can test quisk on the Pi 2 which doesn't use a window manager.

With rasdr on the Pi model B it fills the screen with buttons large
enough to be used with a finger.
73 ... Sid.

On 14/08/15 15:10, Mike Patriot121@... [n2adr-sdr] wrote:
>
> sure ... ill use the early version ...
>
> On 08/14/2015 05:36 AM, jahlstr@... [n2adr-sdr] wrote:
>> ?
>>
>> Thank you to both Sid and Mike. ? I think we need a feature that
>> starts with the window width and height in pixels, and tries to fit
>> the graph inside. ? The current code operates the other way around,
>> because it is depending on the window manager, and assuming that the
>> user will resize the window. ? The complication is the FFT size, and
>> thus the graph size. ? The FFT size must have many small integer
>> factors for efficiency. ? This new feature will be in the next
>> release. ? Let me know if you want an early version. ? The only
>> changed file is quisk.py.
>>
>>
>> Jim
>> N2ADR
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1627. freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 00:32:28 UTC
From: Mike
Topic: 1455 Message: 1627

What happening with the freedv ...

i copied my arm codec2 (same that was used in a previous install) into freedvpkg folder ...

but now the freedv button does not light ...

the readme just has info on codec2 .. not the fmdm modem ...

you cant actually use the freedv program and the digital button ...
quisk does not let go of my microphone and speaker .... and when freedv starts it complains.

least thats what happens on my system ....

--
Mike KC7NOA

1628. Re: [n2adr-sdr] freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 07:20:24 UTC
From: Sid Boyce
Topic: 1455 Message: 1628

You'll see freedv.c in the quisk-3.7.4 directory, the freedvpkg
directory only has libcodec2.so libraries which I replaced with the ones
installed when codec2-dev was built.

During make

Konsole output
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c freedv.c -o
build/temp.linux-armv7l-2.7/freedv.o

Konsole output
gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions -Wl,-z,relro
build/temp.linux-armv7l-2.7/quisk.o build/temp.linux-armv7l-2.7/sound.o
build/temp.linux-armv7l-2.7/sound_alsa.o build/temp.linux-armv7l-2.7/so
und_portaudio.o build/temp.linux-armv7l-2.7/sound_pulseaudio.o
build/temp.linux-armv7l-2.7/is_key_down.o
build/temp.linux-armv7l-2.7/microphone.o
build/temp.linux-armv7l-2.7/utility.o build/temp.linux-armv7l-2.
7/filter.o build/temp.linux-armv7l-2.7/extdemod.o
build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse-simple
-lfftw3 -lm -o /opt/quisk-3.7.4/_quisk.so

Still -- FDV-U is greyed out. ldconfig finds the libraries
Konsole output
/usr/local/lib/arm-linux-gnueabihf/libcodec2.so
/usr/local/lib/arm-linux-gnueabihf/libcodec2.so.0.4

Konsole output
root@hiqsdr:/opt/quisk-3.7.4# nm _quisk.so |grep freedv
0036c604 B freedv_close
0036c63c B freedv_comprx
0036c634 B freedv_comptx
0036c5f8 B freedv_floatrx
0036c640 B freedv_get_modem_stats
0036c5fc B freedv_get_n_max_modem_samples
0036c60c B freedv_get_n_nom_modem_samples
0036c648 B freedv_get_n_speech_samples
0036c624 B freedv_get_test_frames
0036c64c B freedv_get_total_bit_errors
0036c660 B freedv_get_total_bits
0036c638 B freedv_get_version
0036c610 B freedv_nin
0036c654 B freedv_open
0036c628 B freedv_rx

```
0036c61c B freedv_set_callback_txt
0036c618 B freedv_set_smooth_symbols
0036c620 B freedv_set_snr_squelch_thresh
0036c608 B freedv_set_squelch_en
0036c614 B freedv_set_test_frames
0036c65c B freedv_tx
0002fd00 d freedv_version
0036c200 B pt_quisk_freedv_rx
0036c210 B pt_quisk_freedv_tx
000069a8 T quisk_dvoice_freedv
0001be54 T quisk_freedv_close
0001bf58 T quisk_freedv_get_snr
0001bfd4 T quisk_freedv_get_version
0036c1d8 b quisk_freedv_mode
0001bc3c T quisk_freedv_open
0001b91c t quisk_freedv_rx
0001bb70 T quisk_freedv_set_options
0001b740 t quisk_freedv_tx
00017714 t tx_filter_freedv
73 ... Sid.
```

On 15/08/15 01:32, Mike Patriot121@... [n2adr-sdr] wrote:

```
>
> What happening with the freedv ...
>
> i copied my arm codec2 (same that was used in a previous install) into
> freedvpkg folder ...
>
> but now the freedv button does not light ...
>
> the readme just has info on codec2 .. not the fmdm modem ...
>
> you cant actually use the freedv program and the digital button ...
> quisk does not let go of my microphone and speaker .... and when freedv
> starts it complains.
>
> least thats what happens on my system ....
>
> --
> Mike KC7NOA
>
>
```


--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1629. Re: freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 08:03:23 UTC
From: pascal@...
Topic: 1455 Message: 1629

Hi Mike, I got the same issue, and have to rebuild codec2 as Jim described in the readme.txt, and all is ok. I believe Jim has made changes in freedv and that make the olf freedv directory not compatible with the last release.
Best 73

1630. Re: [n2adr-sdr] freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 08:11:23 UTC
From: Sid Boyce
Topic: 1455 Message: 1630

Hi Mike,
freedv is built into quisk.
The freedv program built from fdmdv-dev is a standalone program which is also Softrock/UHFSDR aware.

Both would be attempting to use the same hardware and the one that has it would lock out access to the other just the same as would happen if 2 instances of quisk were attempting to use the same pieces of hardware.
73 ... Sid.

On 15/08/15 01:32, Mike Patriot121@... [n2adr-sdr] wrote:
>
> What happening with the freedv ...
>
> i copied my arm codec2 (same that was used in a previous install) into
> freedvpkg folder ...
>
> but now the freedv button does not light ...
>
> the readme just has info on codec2 .. not the fmdm modem ...
>
> you cant actually use the freedv program and the digital button ...
> quisk does not let go of my microphone and speaker .... and when freedv
> starts it complains.
>
> least thats what happens on my system ....
>
> --
> Mike KC7NOA
>
>

--
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1631. Re: [n2adr-sdr] Re: freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 08:20:09 UTC
From: Sid Boyce
Topic: 1455 Message: 1631

```
Konsole output
slipstream:/usr/src/XXX/quisk-3.7.4/freedvpkg #file libcodec2*.so
libcodec2_32.so: ELF 32-bit LSB shared object, Intel 80386, version 1
(SYSV), dynamically linked,
BuildID[sha1]=fd21c7490e1a40c0dc445e8cd07d2c3566d35a64, not stripped
libcodec2_64.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=1683d5d20c4b72b98c48b05a3380e3e7e921e092, not stripped

Those are x86 libraries which would have to be replaced by the ARM
libraries for RaspberryPi/ODROID.
73 ... Sid.

On 15/08/15 09:03, pascal@... [n2adr-sdr] wrote:
>
> Hi Mike,
>
> I got the same issue, and have to rebuild codec2 as Jim described in
> the readme.txt, and all is ok. I believe Jim has made changes in
> freedv and that make the olf freedv directory not compatible with the
> last release.
> Best 73
>

--
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```

1632. Re: [n2adr-sdr] Re: freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 14:25:50 UTC
From: Sid Boyce
Topic: 1455 Message: 1632

Looking in setup.py it's needing libcodec2_32.so which I have as a
symlink, alternatively the name can be changed in setup.py.
FDV-U is still greyed out.
Konsole output
root@hiqsdr:/opt/quisk-3.7.4/freedvpkg# l
total 604
lrwxrwxrwx 1 root root 12 Aug 15 09:26 libcodec2_32.so-> libcodec2.so
lrwxrwxrwx 1 root root 16 Jul 28 09:41 libcodec2.so-> libcodec2.so.0.4
-rwxr-xr-x 1 root root 608223 Jul 28 09:41 libcodec2.so.0.4
-rw-rw-rw- 1 pi pi 4247 Aug 6 19:50 README.txt
73 ... Sid.

On 15/08/15 09:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Konsole output
> slipstream:/usr/src/XXX/quisk-3.7.4/freedvpkg #file libcodec2*.so
> libcodec2_32.so: ELF 32-bit LSB shared object, Intel 80386, version 1
> (SYSV), dynamically linked,
> BuildID[sha1]=fd21c7490e1a40c0dc445e8cd07d2c3566d35a64, not stripped
> libcodec2_64.so: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=1683d5d20c4b72b98c48b05a3380e3e7e921e092, not stripped
>
> Those are x86 libraries which would have to be replaced by the ARM
> libraries for RaspberryPi/ODROID.
> 73 ... Sid.
>
> On 15/08/15 09:03, pascal@... [n2adr-sdr] wrote:
>> Hi Mike,
>>
>> I got the same issue, and have to rebuild codec2 as Jim described in
>> the readme.txt, and all is ok. I believe Jim has made changes in
>> freedv and that make the olf freedv directory not compatible with the
>> last release.
>> Best 73
>>
>

--
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1633. Re: [n2adr-sdr] freedv

Yahoo group: n2adr-sdr
Date: 2015-08-15 15:45:59 UTC
From: <Patriot121@...>
Topic: 1455 Message: 1633

Ok ....

Just trying to figure out how to un-grey the button ....

I'm not sure where it's legal to use though ....

I'd like to use it on 30m

Sent by Outlook for Android

On Sat, Aug 15, 2015 at 1:13 AM -0700, "Sid Boyce g3vbv@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:
Hi Mike,
freedv is built into quisk.
The freedv program built from fdmdv-dev is a standalone program which is
also Softrock/UHFSDR aware.

Both would be attempting to use the same hardware and the one that has
it would lock out access to the other just the same as would happen if 2
instances of quisk were attempting to use the same pieces of hardware.
73 ... Sid.

On 15/08/15 01:32, Mike Patriot121@... [n2adr-sdr] wrote:
>
> What happening with the freedv ...
>
> i copied my arm codec2 (same that was used in a previous install) into
> freedvpkg folder ...
>
> but now the freedv button does not light ...
>
> the readme just has info on codec2 .. not the fmdm modem ...
>
> you cant actually use the freedv program and the digital button ...
> quisk does not let go of my microphone and speaker .... and when freedv
> starts it complains.
>
> least thats what happens on my system ....
>
> --
> Mike KC7NOA
>
>

--
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Yahoo Groups Links

1634. Re: [n2adr-sdr] freedv

Yahoo group: n2adr-sdr
Date: 2015-08-16 12:56:24 UTC
From: jahlstr@...
Topic: 1455 Message: 1634

Hello,

Please read the file freedvpkg/README.txt for complete instructions on how to install a valid codec2 and make the FDV button work.

Jim
N2ADR

1635. Re: [n2adr-sdr] freedv

Yahoo group: n2adr-sdr
Date: 2015-08-16 19:22:47 UTC
From: Mike
Topic: 1455 Message: 1635

Funy thing is .. i did read it ....

My return for version of codec2 was -2 ...

but i thought my local version of codec2-dev was current ... but after a
svn update and consequent build/install ....

quisk is running with fdv button working ....

once again "assume" strikes again.

On 08/16/2015 05:56 AM, jahlstr@... [n2adr-sdr] wrote:
>
> Hello,
>
>
> Please read the file freedvpkg/README.txt for complete instructions on
> how to install a valid codec2 and make the FDV button work.
>
> Jim
> N2ADR
>

--
Mike KC7NOA

1636. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 00:12:30 UTC
From: Sid Boyce
Topic: 1599 Message: 1636

I found a solution, using startx and automatically starting quisk then using the window manager to make it fullscreen.

Still having the display problem with BitmapFromData and having to use Wfall then reducing the waterfall height to display only the graph.

The Pi 2 with 4 CPU's can handle it all while the model B would probably struggle.
Konsole output
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python

Konsole output
root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
#!/bin/sh

export DISPLAY=:0

RESULT=`pgrep quisk`

if ["${RESULT:-null}" = null]; then
startx &
ping -i 0.1 -c 2 192.168.2.196
(sleep 15s && xset -dpms; xset s off) &
cd /opt/quisk-3.7.4;python quisk.py
killall -r X
/usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
sync
sudo shutdown -h now
fi

Konsole output
root@hiqsdr:~# ps fax|grep X
22355 pts/0 S+ 0:00 _ grep --color=auto X
2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
/etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
-auth /tmp/serverauth.yidu9pumkf
2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
LXDE-pi -e LXDE
2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
2659 tty1 Sl 0:00 | _ pcmanfm --desktop
--profile LXDE-pi
root@hiqsdr:~#
73 ... Sid.

On 13/08/15 20:26, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Setting self.screen_height and self.screen_width in quisk.py to "10 //
> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
> borders with just Zo truncated.
> Close enough to be usable.
> Konsole output
> 73 ... Sid.
>
> On 13/08/15 19:57, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> What I posted was just the part about the resolution.
>>
>> I am using LXDE and lxrandr only offers that resolution and it's the
>> default when I installed raspbian on the Pi 2.
>>
>> I'll have to check the Pi model B to see what that comes up with.
>>
>> I am running rasdr on the Pi model B and getting a display covering the
>> complete screen area right up to the metal surround. I haven't tried
>> quisk on the model B.
>> 73 ... Sid.
>>
>> On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
>>> This is my output from xdpyinfo
>>>
>>> looks like alot is not needed....
>>>
>>> odroid@odroid:~$ xdpyinfo
>>> name of display: :0.0
>>> version number: 11.0
>>> vendor string: The X.Org Foundation
>>> vendor release number: 11501000
>>> X.Org version: 1.15.1
>>> maximum request size: 16777212 bytes
>>> motion buffer size: 256
>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>> image byte order: LSBFirst
>>> number of supported pixmap formats: 7
>>> supported pixmap formats:
>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>> keycode range: minimum 8, maximum 255
>>> focus: window 0x1e00137, revert to Parent
>>> number of extensions: 29
>>> BIG-REQUESTS
>>> Composite
>>> DAMAGE

```
>>> DOUBLE-BUFFER
>>> DPMS
>>> DRI2
>>> DRI3
>>> GLX
>>> Generic Event Extension
>>> MIT-SCREEN-SAVER
>>> MIT-SHM
>>> Present
>>> RANDR
>>> RECORD
>>> RENDER
>>> SECURITY
>>> SGI-GLX
>>> SHAPE
>>> SYNC
>>> X-Resource
>>> XC-MISC
>>> XFIXES
>>> XFree86-DGA
>>> XFree86-VidModeExtension
>>> XINERAMA
>>> XInputExtension
>>> XKEYBOARD
>>> XTEST
>>> XVideo
>>> default screen number: 0
>>> number of screens: 1
>>>
>>> screen #0:
>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>> resolution: 96x96 dots per inch
>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>> root window id: 0xc2
>>> depth of root window: 16 planes
>>> number of colormaps: minimum 1, maximum 1
>>> default colormap: 0x20
>>> default number of colormap cells: 64
>>> preallocated pixels: black 0, white 65535
>>> options: backing-store WHEN MAPPED, save-unders NO
>>> largest cursor: 1024x600
>>> current input event mask: 0x7a003c
>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>> number of visuals: 33
>>> default visual id: 0x21
>>> visual:
>>> visual id: 0x21
>>> class: TrueColor
```

```
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 8 bits
>>> visual:
>>> visual id: 0xa2
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa3
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa4
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa5
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa6
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa7
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa8
>>> class: TrueColor
>>> depth: 16 planes
```

```
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xa9
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xaa
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xab
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xac
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xad
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xae
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xaf
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
```

```
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb0
>>> class: TrueColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb1
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb2
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb3
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb4
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb5
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb6
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb7
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb8
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xb9
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xba
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xbb
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xbc
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xbd
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
```

>>> visual:
>>> visual id: 0xbe
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xbf
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0xc0
>>> class: DirectColor
>>> depth: 16 planes
>>> available colormap entries: 64 per subfield
>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>> significant bits in color specification: 6 bits
>>> visual:
>>> visual id: 0x41
>>> class: TrueColor
>>> depth: 32 planes
>>> available colormap entries: 256 per subfield
>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>> significant bits in color specification: 8 bits
>>> odroid@odroid:~$
>>>
>>>
>>> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> Konsole output
>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>> screen #0:
>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>> resolution: 96x96 dots per inch
>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>> root window id: 0xe2
>>>> depth of root window: 16 planes
>>>> number of colormaps: minimum 1, maximum 1
>>>> default colormap: 0x20
>>>> default number of colormap cells: 64
>>>> preallocated pixels: black 0, white 65535
>>>> options: backing-store NO, save-unders NO
>>>> 73 ... Sid.
>>>>
>>>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> I'll have to check by running startx, opening a terminal and running
>>>>> xdpyinfo.

>>>>> 73 ... Sid.
>>>>>
>>>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>
>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>
>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>> current resolution (ssh connection)
>>>>>>
>>>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>> Hi Jim,
>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>
>>>>>>>>
>>>>>>>> Jim
>>>>>>>>
>

--
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1637. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 00:59:25 UTC
From: Mike
Topic: 1599 Message: 1637

Did you try out the experimental quisk and default conf ....

Or did he just send it to me ....

Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...

On 08/19/2015 05:12 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I found a solution, using startx and automatically starting quisk then
> using the window manager to make it fullscreen.
>
> Still having the display problem with BitmapFromData and having to use
> Wfall then reducing the waterfall height to display only the graph.
>
> The Pi 2 with 4 CPU's can handle it all while the model B would probably
> struggle.
> Konsole output
> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>
>
> Konsole output
> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
> #!/bin/sh
>
> export DISPLAY=:0
>
> RESULT=`pgrep quisk`
>
> if ["${RESULT:-null}" = null]; then
> startx &
> ping -i 0.1 -c 2 192.168.2.196
> (sleep 15s && xset -dpms; xset s off) &
> cd /opt/quisk-3.7.4;python quisk.py
> #### killall -r X
> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
> sync
> # sudo shutdown -h now
> fi
>
> Konsole output
> root@hiqsdr:~# ps fax|grep X
> 22355 pts/0 S+ 0:00 _ grep --color=auto X
> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
> -auth /tmp/serverauth.yidu9pumkf

> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
> LXDE-pi -e LXDE
> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
> --profile LXDE-pi
> root@hiqsdr:~#
> 73 ... Sid.
>
> On 13/08/15 20:26, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>> borders with just Zo truncated.
>> Close enough to be usable.
>> Konsole output
>> 73 ... Sid.
>>
>> On 13/08/15 19:57, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> What I posted was just the part about the resolution.
>>>
>>> I am using LXDE and lxrandr only offers that resolution and it's the
>>> default when I installed raspbian on the Pi 2.
>>>
>>> I'll have to check the Pi model B to see what that comes up with.
>>>
>>> I am running rasdr on the Pi model B and getting a display covering the
>>> complete screen area right up to the metal surround. I haven't tried
>>> quisk on the model B.
>>> 73 ... Sid.
>>>
>>> On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
>>>> This is my output from xdpyinfo
>>>>
>>>> looks like alot is not needed....
>>>>
>>>> odroid@odroid:~$ xdpyinfo
>>>> name of display: :0.0
>>>> version number: 11.0
>>>> vendor string: The X.Org Foundation
>>>> vendor release number: 11501000
>>>> X.Org version: 1.15.1
>>>> maximum request size: 16777212 bytes
>>>> motion buffer size: 256
>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>> image byte order: LSBFirst
>>>> number of supported pixmap formats: 7
>>>> supported pixmap formats:
>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>> depth 15, bits_per_pixel 16, scanline_pad 32

```
>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>> keycode range: minimum 8, maximum 255
>>>> focus: window 0x1e00137, revert to Parent
>>>> number of extensions: 29
>>>> BIG-REQUESTS
>>>> Composite
>>>> DAMAGE
>>>> DOUBLE-BUFFER
>>>> DPMS
>>>> DRI2
>>>> DRI3
>>>> GLX
>>>> Generic Event Extension
>>>> MIT-SCREEN-SAVER
>>>> MIT-SHM
>>>> Present
>>>> RANDR
>>>> RECORD
>>>> RENDER
>>>> SECURITY
>>>> SGI-GLX
>>>> SHAPE
>>>> SYNC
>>>> X-Resource
>>>> XC-MISC
>>>> XFIXES
>>>> XFree86-DGA
>>>> XFree86-VidModeExtension
>>>> XINERAMA
>>>> XInputExtension
>>>> XKEYBOARD
>>>> XTEST
>>>> XVideo
>>>> default screen number: 0
>>>> number of screens: 1
>>>>
>>>> screen #0:
>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>> resolution: 96x96 dots per inch
>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>> root window id: 0xc2
>>>> depth of root window: 16 planes
>>>> number of colormaps: minimum 1, maximum 1
>>>> default colormap: 0x20
>>>> default number of colormap cells: 64
>>>> preallocated pixels: black 0, white 65535
>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>> largest cursor: 1024x600
```

```
>>>> current input event mask: 0x7a003c
>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>> number of visuals: 33
>>>> default visual id: 0x21
>>>> visual:
>>>> visual id: 0x21
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 8 bits
>>>> visual:
>>>> visual id: 0xa2
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa3
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa4
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa5
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa6
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa7
```

```
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa8
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xa9
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xaa
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xab
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xac
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xad
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xae
>>>> class: TrueColor
```

```
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xaf
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb0
>>>> class: TrueColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb1
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb2
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb3
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb4
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb5
>>>> class: DirectColor
>>>> depth: 16 planes
```

```
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb6
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb7
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb8
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xb9
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xba
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xbb
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xbc
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
```

>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xbd
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xbe
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xbf
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0xc0
>>>> class: DirectColor
>>>> depth: 16 planes
>>>> available colormap entries: 64 per subfield
>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>> significant bits in color specification: 6 bits
>>>> visual:
>>>> visual id: 0x41
>>>> class: TrueColor
>>>> depth: 32 planes
>>>> available colormap entries: 256 per subfield
>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>> significant bits in color specification: 8 bits
>>>> odroid@odroid:~$
>>>>
>>>>
>>>> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> Konsole output
>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>> screen #0:
>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>> resolution: 96x96 dots per inch
>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>> root window id: 0xe2
>>>>> depth of root window: 16 planes
>>>>> number of colormaps: minimum 1, maximum 1

>>>>> default colormap: 0x20
>>>>> default number of colormap cells: 64
>>>>> preallocated pixels: black 0, white 65535
>>>>> options: backing-store NO, save-unders NO
>>>>> 73 ... Sid.
>>>>>
>>>>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>> xdpyinfo.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>
>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>
>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>> current resolution (ssh connection)
>>>>>>>
>>>>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>>> Hi Jim,
>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> Jim
>>>>>>>>>
>
--
Mike KC7NOA

1638. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 07:28:12 UTC
From: Sid Boyce
Topic: 1599 Message: 1638

Hi Mike,
I am using quisk configs for different gear, HiQSDR on Pi 2 and
Hermes-Lite on ODROID-U3.

I have almost fullscreen on the Pi 2 which is also OK and I am happy
with that.
The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
to 4,1 doesn't fix it like it did quite a while back.

I got a test version of quisk.py from Jim but quisk refuses to start
with it.
I sent Jim the error message a few days ago.
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
line 497, in __init__
windows.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
TypeError: Expected a 2-tuple of integers or a wxPoint object.
using "DejaVu Sans Mono-16", pixelsize=16.67
file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
Server terminated successfully (0). Closing log file.
73 ... Sid.

On 20/08/15 01:59, Mike Patriot121@... [n2adr-sdr] wrote:
> Did you try out the experimental quisk and default conf ....
>
> Or did he just send it to me ....
>
> Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...
>
>
>
> On 08/19/2015 05:12 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> I found a solution, using startx and automatically starting quisk then
>> using the window manager to make it fullscreen.
>>
>> Still having the display problem with BitmapFromData and having to use
>> Wfall then reducing the waterfall height to display only the graph.
>>
>> The Pi 2 with 4 CPU's can handle it all while the model B would probably
>> struggle.
>> Konsole output
>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>
>>
>> Konsole output

>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>> #!/bin/sh
>>
>> export DISPLAY=:0
>>
>> RESULT=`pgrep quisk`
>>
>> if ["${RESULT:-null}" = null]; then
>> startx &
>> ping -i 0.1 -c 2 192.168.2.196
>> (sleep 15s && xset -dpms; xset s off) &
>> cd /opt/quisk-3.7.4;python quisk.py
>> #### killall -r X
>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>> sync
>> # sudo shutdown -h now
>> fi
>>
>> Konsole output
>> root@hiqsdr:~# ps fax|grep X
>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
>> -auth /tmp/serverauth.yidu9pumkf
>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
>> LXDE-pi -e LXDE
>> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
>> --profile LXDE-pi
>> root@hiqsdr:~#
>> 73 ... Sid.
>>
>> On 13/08/15 20:26, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>>> borders with just Zo truncated.
>>> Close enough to be usable.
>>> Konsole output
>>> 73 ... Sid.
>>>
>>> On 13/08/15 19:57, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> What I posted was just the part about the resolution.
>>>>
>>>> I am using LXDE and lxrandr only offers that resolution and it's the
>>>> default when I installed raspbian on the Pi 2.
>>>>
>>>> I'll have to check the Pi model B to see what that comes up with.
>>>>
>>>> I am running rasdr on the Pi model B and getting a display covering the

>>>> complete screen area right up to the metal surround. I haven't tried
>>>> quisk on the model B.
>>>> 73 ... Sid.
>>>>
>>>> On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> This is my output from xdpyinfo
>>>>>
>>>>> looks like alot is not needed....
>>>>>
>>>>> odroid@odroid:~$ xdpyinfo
>>>>> name of display: :0.0
>>>>> version number: 11.0
>>>>> vendor string: The X.Org Foundation
>>>>> vendor release number: 11501000
>>>>> X.Org version: 1.15.1
>>>>> maximum request size: 16777212 bytes
>>>>> motion buffer size: 256
>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>> image byte order: LSBFirst
>>>>> number of supported pixmap formats: 7
>>>>> supported pixmap formats:
>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>> keycode range: minimum 8, maximum 255
>>>>> focus: window 0x1e00137, revert to Parent
>>>>> number of extensions: 29
>>>>> BIG-REQUESTS
>>>>> Composite
>>>>> DAMAGE
>>>>> DOUBLE-BUFFER
>>>>> DPMS
>>>>> DRI2
>>>>> DRI3
>>>>> GLX
>>>>> Generic Event Extension
>>>>> MIT-SCREEN-SAVER
>>>>> MIT-SHM
>>>>> Present
>>>>> RANDR
>>>>> RECORD
>>>>> RENDER
>>>>> SECURITY
>>>>> SGI-GLX
>>>>> SHAPE
>>>>> SYNC

```
>>>>> X-Resource
>>>>> XC-MISC
>>>>> XFIXES
>>>>> XFree86-DGA
>>>>> XFree86-VidModeExtension
>>>>> XINERAMA
>>>>> XInputExtension
>>>>> XKEYBOARD
>>>>> XTEST
>>>>> XVideo
>>>>> default screen number: 0
>>>>> number of screens: 1
>>>>>
>>>>> screen #0:
>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>> resolution: 96x96 dots per inch
>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>> root window id: 0xc2
>>>>> depth of root window: 16 planes
>>>>> number of colormaps: minimum 1, maximum 1
>>>>> default colormap: 0x20
>>>>> default number of colormap cells: 64
>>>>> preallocated pixels: black 0, white 65535
>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>> largest cursor: 1024x600
>>>>> current input event mask: 0x7a003c
>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>> number of visuals: 33
>>>>> default visual id: 0x21
>>>>> visual:
>>>>> visual id: 0x21
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 8 bits
>>>>> visual:
>>>>> visual id: 0xa2
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa3
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
```

```
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa4
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa5
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa6
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa7
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa8
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xa9
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xaa
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xab
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xac
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xad
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xae
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xaf
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb0
>>>>> class: TrueColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb1
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
```

```
>>>>> visual:
>>>>> visual id: 0xb2
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb3
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb4
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb5
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb6
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb7
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xb8
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
```

```
>>>>> visual id: 0xb9
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xba
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xbb
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xbc
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xbd
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xbe
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xbf
>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0xc0
```

>>>>> class: DirectColor
>>>>> depth: 16 planes
>>>>> available colormap entries: 64 per subfield
>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>> significant bits in color specification: 6 bits
>>>>> visual:
>>>>> visual id: 0x41
>>>>> class: TrueColor
>>>>> depth: 32 planes
>>>>> available colormap entries: 256 per subfield
>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>> significant bits in color specification: 8 bits
>>>>> odroid@odroid:~$
>>>>>
>>>>>
>>>>> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>> Konsole output
>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>> screen #0:
>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>> resolution: 96x96 dots per inch
>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>> root window id: 0xe2
>>>>>> depth of root window: 16 planes
>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>> default colormap: 0x20
>>>>>> default number of colormap cells: 64
>>>>>> preallocated pixels: black 0, white 65535
>>>>>> options: backing-store NO, save-unders NO
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>> xdpyinfo.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>
>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>>
>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>> current resolution (ssh connection)
>>>>>>>>
>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>>>> Hi Jim,
>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>> 73 ... Sid.
>>>>>>>>>

>>>>>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> Jim
>>>>>>>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1639. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 09:11:34 UTC
From: Mike
Topic: 1599 Message: 1639

Weird ... i don't get that error ...

though i did get an error .. it was because i needed to replace
quisk_conf_defaults.py too ....

and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
// 4, 1, row)

On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Mike,
> I am using quisk configs for different gear, HiQSDR on Pi 2 and
> Hermes-Lite on ODROID-U3.
>
> I have almost fullscreen on the Pi 2 which is also OK and I am happy
> with that.
> The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
> to 4,1 doesn't fix it like it did quite a while back.
>
> I got a test version of quisk.py from Jim but quisk refuses to start
> with it.
> I sent Jim the error message a few days ago.
> File
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
> line 497, in __init__
> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
> TypeError: Expected a 2-tuple of integers or a wxPoint object.
> using "DejaVu Sans Mono-16", pixelsize=16.67
> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
> Server terminated successfully (0). Closing log file.
> 73 ... Sid.
>
> On 20/08/15 01:59, Mike Patriot121@... [n2adr-sdr] wrote:
>> Did you try out the experimental quisk and default conf ....
>>
>> Or did he just send it to me ....
>>
>> Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...
>>
>>
>>
>> On 08/19/2015 05:12 PM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> I found a solution, using startx and automatically starting quisk then
>>> using the window manager to make it fullscreen.
>>>
>>> Still having the display problem with BitmapFromData and having to use
>>> Wfall then reducing the waterfall height to display only the graph.

```
>>>
>>> The Pi 2 with 4 CPU's can handle it all while the model B would probably
>>> struggle.
>>> Konsole output
>>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>
>>>
>>> Konsole output
>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>> #!/bin/sh
>>>
>>> export DISPLAY=:0
>>>
>>> RESULT=`pgrep quisk`
>>>
>>> if [ "${RESULT:-null}" = null ]; then
>>> startx &
>>> ping -i 0.1 -c 2 192.168.2.196
>>> (sleep 15s && xset -dpms; xset s off) &
>>> cd /opt/quisk-3.7.4;python quisk.py
>>> #### killall -r X
>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>> sync
>>> # sudo shutdown -h now
>>> fi
>>>
>>> Konsole output
>>> root@hiqsdr:~# ps fax|grep X
>>> 22355 pts/0 S+ 0:00 \_ grep --color=auto X
>>> 2483 tty1 S+ 0:00 | \_ xinit /etc/X11/xinit/xinitrc --
>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>> 2484 tty7 Ss+ 0:30 | \_ /usr/bin/X-nolisten tcp :0
>>> -auth /tmp/serverauth.yidu9pumkf
>>> 2632 tty1 Sl 0:00 | \_ /usr/bin/lxsession -s
>>> LXDE-pi -e LXDE
>>> 2657 tty1 Sl 0:02 | \_ lxpanel --profile LXDE-pi
>>> 2659 tty1 Sl 0:00 | \_ pcmanfm --desktop
>>> --profile LXDE-pi
>>> root@hiqsdr:~#
>>> 73 ... Sid.
>>>
>>> On 13/08/15 20:26, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>>>> borders with just Zo truncated.
>>>> Close enough to be usable.
>>>> Konsole output
>>>> 73 ... Sid.
>>>>
```

>>>> On 13/08/15 19:57, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>> What I posted was just the part about the resolution.
>>>>>
>>>>> I am using LXDE and lxrandr only offers that resolution and it's the
>>>>> default when I installed raspbian on the Pi 2.
>>>>>
>>>>> I'll have to check the Pi model B to see what that comes up with.
>>>>>
>>>>> I am running rasdr on the Pi model B and getting a display covering the
>>>>> complete screen area right up to the metal surround. I haven't tried
>>>>> quisk on the model B.
>>>>> 73 ... Sid.
>>>>>
>>>>> On 13/08/15 18:23, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>> This is my output from xdpyinfo
>>>>>>
>>>>>> looks like alot is not needed....
>>>>>>
>>>>>> odroid@odroid:~$ xdpyinfo
>>>>>> name of display: :0.0
>>>>>> version number: 11.0
>>>>>> vendor string: The X.Org Foundation
>>>>>> vendor release number: 11501000
>>>>>> X.Org version: 1.15.1
>>>>>> maximum request size: 16777212 bytes
>>>>>> motion buffer size: 256
>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>> image byte order: LSBFirst
>>>>>> number of supported pixmap formats: 7
>>>>>> supported pixmap formats:
>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>> keycode range: minimum 8, maximum 255
>>>>>> focus: window 0x1e00137, revert to Parent
>>>>>> number of extensions: 29
>>>>>> BIG-REQUESTS
>>>>>> Composite
>>>>>> DAMAGE
>>>>>> DOUBLE-BUFFER
>>>>>> DPMS
>>>>>> DRI2
>>>>>> DRI3
>>>>>> GLX
>>>>>> Generic Event Extension
>>>>>> MIT-SCREEN-SAVER

```
>>>>>> MIT-SHM
>>>>>> Present
>>>>>> RANDR
>>>>>> RECORD
>>>>>> RENDER
>>>>>> SECURITY
>>>>>> SGI-GLX
>>>>>> SHAPE
>>>>>> SYNC
>>>>>> X-Resource
>>>>>> XC-MISC
>>>>>> XFIXES
>>>>>> XFree86-DGA
>>>>>> XFree86-VidModeExtension
>>>>>> XINERAMA
>>>>>> XInputExtension
>>>>>> XKEYBOARD
>>>>>> XTEST
>>>>>> XVideo
>>>>>> default screen number: 0
>>>>>> number of screens: 1
>>>>>>
>>>>>> screen #0:
>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>>> resolution: 96x96 dots per inch
>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>> root window id: 0xc2
>>>>>> depth of root window: 16 planes
>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>> default colormap: 0x20
>>>>>> default number of colormap cells: 64
>>>>>> preallocated pixels: black 0, white 65535
>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>> largest cursor: 1024x600
>>>>>> current input event mask: 0x7a003c
>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>> number of visuals: 33
>>>>>> default visual id: 0x21
>>>>>> visual:
>>>>>> visual id: 0x21
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 8 bits
>>>>>> visual:
>>>>>> visual id: 0xa2
>>>>>> class: TrueColor
```

```
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa3
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa4
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa5
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa6
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa7
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa8
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xa9
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
```

```
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xaa
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xab
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xac
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xad
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xae
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xaf
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb0
>>>>>> class: TrueColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
```

```
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb1
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb2
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb3
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb4
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb5
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb6
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb7
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb8
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xb9
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xba
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xbb
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xbc
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xbd
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xbe
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
```

>>>>>> visual:
>>>>>> visual id: 0xbf
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0xc0
>>>>>> class: DirectColor
>>>>>> depth: 16 planes
>>>>>> available colormap entries: 64 per subfield
>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>> significant bits in color specification: 6 bits
>>>>>> visual:
>>>>>> visual id: 0x41
>>>>>> class: TrueColor
>>>>>> depth: 32 planes
>>>>>> available colormap entries: 256 per subfield
>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>> significant bits in color specification: 8 bits
>>>>>> odroid@odroid:~$
>>>>>>
>>>>>>
>>>>>> On 08/13/2015 09:32 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>> Konsole output
>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>> screen #0:
>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>> resolution: 96x96 dots per inch
>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>> root window id: 0xe2
>>>>>>> depth of root window: 16 planes
>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>> default colormap: 0x20
>>>>>>> default number of colormap cells: 64
>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>> options: backing-store NO, save-unders NO
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 13/08/15 00:41, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>>> xdpyinfo.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 12/08/15 16:15, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>>
>>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....

>>>>>>>>>
>>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>
>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>> Hi Jim,
>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 12/08/15 01:02, jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> Jim
>>>>>>>>>>>
>

--
Mike KC7NOA

1640. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 17:10:44 UTC
From: Sid Boyce
Topic: 1599 Message: 1640

"4,1, row" used to work a long time ago, doesn't now neither on Pi 2 or
ODROID-U3.
73 ... Sid.

On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
>
> Weird ... i don't get that error ...
>
> though i did get an error .. it was because i needed to replace
> quisk_conf_defaults.py too ....
>
> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
> // 4, 1, row)
>
>
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> wrote:
>> Hi Mike,
>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
>> Hermes-Lite on ODROID-U3.
>>
>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
>> with that.
>> The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
>> to 4,1 doesn't fix it like it did quite a while back.
>>
>> I got a test version of quisk.py from Jim but quisk refuses to start
>> with it.
>> I sent Jim the error message a few days ago.
>> File
>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
>> line 497, in __init__
>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
>> using "DejaVu Sans Mono-16", pixelsize=16.67
>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
>> Server terminated successfully (0). Closing log file.
>> 73 ... Sid.
>>
>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
>>> Did you try out the experimental quisk and default conf ....
>>>
>>> Or did he just send it to me ....
>>>
>>> Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...

>>>
>>>
>>>
>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>> I found a solution, using startx and automatically starting quisk then
>>>> using the window manager to make it fullscreen.
>>>>
>>>> Still having the display problem with BitmapFromData and having to use
>>>> Wfall then reducing the waterfall height to display only the graph.
>>>>
>>>> The Pi 2 with 4 CPU's can handle it all while the model B would probably
>>>> struggle.
>>>> Konsole output
>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>>
>>>>
>>>> Konsole output
>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>>> #!/bin/sh
>>>>
>>>> export DISPLAY=:0
>>>>
>>>> RESULT=`pgrep quisk`
>>>>
>>>> if ["${RESULT:-null}" = null]; then
>>>> startx &
>>>> ping -i 0.1 -c 2 192.168.2.196
>>>> (sleep 15s && xset -dpms; xset s off) &
>>>> cd /opt/quisk-3.7.4;python quisk.py
>>>> #### killall -r X
>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>>> sync
>>>> # sudo shutdown -h now
>>>> fi
>>>>
>>>> Konsole output
>>>> root@hiqsdr:~# ps fax|grep X
>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
>>>> -auth /tmp/serverauth.yidu9pumkf
>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
>>>> LXDE-pi -e LXDE
>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
>>>> --profile LXDE-pi
>>>> root@hiqsdr:~#
>>>> 73 ... Sid.

>>>>
>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>>>>> borders with just Zo truncated.
>>>>> Close enough to be usable.
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>>>>>> quisk on the model B.
>>>>>> 73 ... Sid.
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>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>> This is my output from xdpyinfo
>>>>>>>
>>>>>>> looks like alot is not needed....
>>>>>>>
>>>>>>> odroid@odroid:~$ xdpyinfo
>>>>>>> name of display: :0.0
>>>>>>> version number: 11.0
>>>>>>> vendor string: The X.Org Foundation
>>>>>>> vendor release number: 11501000
>>>>>>> X.Org version: 1.15.1
>>>>>>> maximum request size: 16777212 bytes
>>>>>>> motion buffer size: 256
>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>>> image byte order: LSBFirst
>>>>>>> number of supported pixmap formats: 7
>>>>>>> supported pixmap formats:
>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>>> keycode range: minimum 8, maximum 255
>>>>>>> focus: window 0x1e00137, revert to Parent
>>>>>>> number of extensions: 29
>>>>>>> BIG-REQUESTS

```
>>>>>>> Composite
>>>>>>> DAMAGE
>>>>>>> DOUBLE-BUFFER
>>>>>>> DPMS
>>>>>>> DRI2
>>>>>>> DRI3
>>>>>>> GLX
>>>>>>> Generic Event Extension
>>>>>>> MIT-SCREEN-SAVER
>>>>>>> MIT-SHM
>>>>>>> Present
>>>>>>> RANDR
>>>>>>> RECORD
>>>>>>> RENDER
>>>>>>> SECURITY
>>>>>>> SGI-GLX
>>>>>>> SHAPE
>>>>>>> SYNC
>>>>>>> X-Resource
>>>>>>> XC-MISC
>>>>>>> XFIXES
>>>>>>> XFree86-DGA
>>>>>>> XFree86-VidModeExtension
>>>>>>> XINERAMA
>>>>>>> XInputExtension
>>>>>>> XKEYBOARD
>>>>>>> XTEST
>>>>>>> XVideo
>>>>>>> default screen number: 0
>>>>>>> number of screens: 1
>>>>>>>
>>>>>>> screen #0:
>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>>>> resolution: 96x96 dots per inch
>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>> root window id: 0xc2
>>>>>>> depth of root window: 16 planes
>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>> default colormap: 0x20
>>>>>>> default number of colormap cells: 64
>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>>> largest cursor: 1024x600
>>>>>>> current input event mask: 0x7a003c
>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>>> number of visuals: 33
>>>>>>> default visual id: 0x21
>>>>>>> visual:
```

```
>>>>>>> visual id: 0x21
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 8 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa2
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa3
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa4
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa5
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa6
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa7
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa8
```

```
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xa9
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xaa
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xab
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xac
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xad
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xae
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xaf
>>>>>>> class: TrueColor
```

```
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb0
>>>>>>> class: TrueColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb1
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb2
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb3
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb4
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb5
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb6
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
```

```
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb7
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb8
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xb9
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xba
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xbb
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xbc
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xbd
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
```

>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xbe
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xbf
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0xc0
>>>>>>> class: DirectColor
>>>>>>> depth: 16 planes
>>>>>>> available colormap entries: 64 per subfield
>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>> significant bits in color specification: 6 bits
>>>>>>> visual:
>>>>>>> visual id: 0x41
>>>>>>> class: TrueColor
>>>>>>> depth: 32 planes
>>>>>>> available colormap entries: 256 per subfield
>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>>> significant bits in color specification: 8 bits
>>>>>>> odroid@odroid:~$
>>>>>>>
>>>>>>>
>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>> Konsole output
>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>>> screen #0:
>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>> root window id: 0xe2
>>>>>>>> depth of root window: 16 planes
>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>> default colormap: 0x20
>>>>>>>> default number of colormap cells: 64
>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>> options: backing-store NO, save-unders NO
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@... [n2adr-sdr] wrote:

>>>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>>>> xdpyinfo.
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>>>
>>>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>>>>
>>>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>>
>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>>> Hi Jim,
>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>>
>>>>>>>>>>>>
>>>>>>>>>>>> Jim
>>>>>>>>>>>>
>
> --
> Mike KC7NOA
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1641. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 17:47:36 UTC
From: Mike
Topic: 1599 Message: 1641

For me it was the addition of RGBA ... using the older command buffer

On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> "4,1, row" used to work a long time ago, doesn't now neither on Pi 2 or
> ODROID-U3.
> 73 ... Sid.
>
> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
>> Weird ... i don't get that error ...
>>
>> though i did get an error .. it was because i needed to replace
>> quisk_conf_defaults.py too ....
>>
>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
>> // 4, 1, row)
>>
>>
>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>> Hi Mike,
>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
>>> Hermes-Lite on ODROID-U3.
>>>
>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
>>> with that.
>>> The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
>>> to 4,1 doesn't fix it like it did quite a while back.
>>>
>>> I got a test version of quisk.py from Jim but quisk refuses to start
>>> with it.
>>> I sent Jim the error message a few days ago.
>>> File
>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
>>> line 497, in __init__
>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
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>>>>> Wfall then reducing the waterfall height to display only the graph.
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>>>>> struggle.
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>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>>>
>>>>>
>>>>> Konsole output
>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>>>> #!/bin/sh
>>>>>
>>>>> export DISPLAY=:0
>>>>>
>>>>> RESULT=`pgrep quisk`
>>>>>
>>>>> if ["${RESULT:-null}" = null]; then
>>>>> startx &
>>>>> ping -i 0.1 -c 2 192.168.2.196
>>>>> (sleep 15s && xset -dpms; xset s off) &
>>>>> cd /opt/quisk-3.7.4;python quisk.py
>>>>> #### killall -r X
>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>>>> sync
>>>>> # sudo shutdown -h now
>>>>> fi
>>>>>
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>>>>> root@hiqsdr:~# ps fax|grep X
>>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
>>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
>>>>> -auth /tmp/serverauth.yidu9pumkf
>>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
>>>>> LXDE-pi -e LXDE
>>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
>>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
>>>>> --profile LXDE-pi

>>>>> root@hiqsdr:~#
>>>>> 73 ... Sid.
>>>>>
>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
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>>>>>>>> vendor string: The X.Org Foundation
>>>>>>>> vendor release number: 11501000
>>>>>>>> X.Org version: 1.15.1
>>>>>>>> maximum request size: 16777212 bytes
>>>>>>>> motion buffer size: 256
>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>>>> image byte order: LSBFirst
>>>>>>>> number of supported pixmap formats: 7
>>>>>>>> supported pixmap formats:
>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>>>> keycode range: minimum 8, maximum 255
>>>>>>>> focus: window 0x1e00137, revert to Parent

```
>>>>>>>> number of extensions: 29
>>>>>>>> BIG-REQUESTS
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>>>>>>>> DOUBLE-BUFFER
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>>>>>>>> GLX
>>>>>>>> Generic Event Extension
>>>>>>>> MIT-SCREEN-SAVER
>>>>>>>> MIT-SHM
>>>>>>>> Present
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>>>>>>>> RECORD
>>>>>>>> RENDER
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>>>>>>>> SGI-GLX
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>>>>>>>> XC-MISC
>>>>>>>> XFIXES
>>>>>>>> XFree86-DGA
>>>>>>>> XFree86-VidModeExtension
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>>>>>>>> XKEYBOARD
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>>>>>>>> default screen number: 0
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>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
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>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>> default colormap: 0x20
>>>>>>>> default number of colormap cells: 64
>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>>>> largest cursor: 1024x600
>>>>>>>> current input event mask: 0x7a003c
>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>>>> number of visuals: 33
```

```
>>>>>>>> default visual id: 0x21
>>>>>>>> visual:
>>>>>>>> visual id: 0x21
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa2
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa3
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa4
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa5
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa6
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa7
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
```

```
>>>>>>>> visual:
>>>>>>>> visual id: 0xa8
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xa9
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xaa
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xab
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xac
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xad
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xae
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
```

```
>>>>>>>> visual id: 0xaf
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb0
>>>>>>>> class: TrueColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb1
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb2
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb3
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb4
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb5
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb6
```

```
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb7
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb8
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xb9
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xba
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xbb
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xbc
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xbd
>>>>>>>> class: DirectColor
```

>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xbe
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xbf
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0xc0
>>>>>>>> class: DirectColor
>>>>>>>> depth: 16 planes
>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>> visual:
>>>>>>>> visual id: 0x41
>>>>>>>> class: TrueColor
>>>>>>>> depth: 32 planes
>>>>>>>> available colormap entries: 256 per subfield
>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>> odroid@odroid:~$
>>>>>>>>
>>>>>>>>
>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>> Konsole output
>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>>>> screen #0:
>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>> root window id: 0xe2
>>>>>>>>> depth of root window: 16 planes
>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>> default colormap: 0x20
>>>>>>>>> default number of colormap cells: 64
>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>> options: backing-store NO, save-unders NO
>>>>>>>>> 73 ... Sid.

>>>>>>>>>
>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>>>>> xdpyinfo.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>>>>
>>>>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>>>>>
>>>>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>>>
>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>>>> Hi Jim,
>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>
>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>>>
>>>>>>>>>>>>>
>>>>>>>>>>>>> Jim
>>>>>>>>>>>>>
>>> --
>> Mike KC7NOA
>>
>

--
Mike KC7NOA

1642. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-20 20:48:03 UTC
From: Sid Boyce
Topic: 1599 Message: 1642

Thanks Mike,
That should be
Konsole output
bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)

Forgot to check how I fixed it back in the early hours of 11/22/2012 by
adding RGBA and changing 3, 1, row to 4, 1, row.
Waterfall still looks as messed up as it was then.
Both Pi 2 and ODROID-U3 now OK.
73 ... Sid.

Konsole outp

Konsole output
On 20/08/15 18:47, Mike Patriot121@... [n2adr-sdr] wrote:
> For me it was the addition of RGBA ... using the older command buffer
>
> On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> "4,1, row" used to work a long time ago, doesn't now neither on Pi 2 or
>> ODROID-U3.
>> 73 ... Sid.
>>
>> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Weird ... i don't get that error ...
>>>
>>> though i did get an error .. it was because i needed to replace
>>> quisk_conf_defaults.py too ....
>>>
>>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
>>> // 4, 1, row)
>>>
>>>
>>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>> Hi Mike,
>>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
>>>> Hermes-Lite on ODROID-U3.
>>>>
>>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
>>>> with that.
>>>> The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
>>>> to 4,1 doesn't fix it like it did quite a while back.
>>>>
>>>> I got a test version of quisk.py from Jim but quisk refuses to start
>>>> with it.
>>>> I sent Jim the error message a few days ago.

```
>>>> File
>>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
>>>> line 497, in __init__
>>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
>>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
>>>> using "DejaVu Sans Mono-16", pixelsize=16.67
>>>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
>>>> Server terminated successfully (0). Closing log file.
>>>> 73 ... Sid.
>>>>
>>>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
>>>>> Did you try out the experimental quisk and default conf ....
>>>>>
>>>>> Or did he just send it to me ....
>>>>>
>>>>> Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...
>>>>>
>>>>>
>>>>>
>>>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>> I found a solution, using startx and automatically starting quisk then
>>>>>> using the window manager to make it fullscreen.
>>>>>>
>>>>>> Still having the display problem with BitmapFromData and having to use
>>>>>> Wfall then reducing the waterfall height to display only the graph.
>>>>>>
>>>>>> The Pi 2 with 4 CPU's can handle it all while the model B would probably
>>>>>> struggle.
>>>>>> Konsole output
>>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>>>>
>>>>>>
>>>>>> Konsole output
>>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>>>>> #!/bin/sh
>>>>>>
>>>>>> export DISPLAY=:0
>>>>>>
>>>>>> RESULT=`pgrep quisk`
>>>>>>
>>>>>> if [ "${RESULT:-null}" = null ]; then
>>>>>> startx &
>>>>>> ping -i 0.1 -c 2 192.168.2.196
>>>>>> (sleep 15s && xset -dpms; xset s off) &
>>>>>> cd /opt/quisk-3.7.4;python quisk.py
>>>>>> #### killall -r X
>>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>>>>> sync
>>>>>> # sudo shutdown -h now
```

>>>>>> fi
>>>>>>
>>>>>> Konsole output
>>>>>> root@hiqsdr:~# ps fax|grep X
>>>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
>>>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
>>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
>>>>>> -auth /tmp/serverauth.yidu9pumkf
>>>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
>>>>>> LXDE-pi -e LXDE
>>>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
>>>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
>>>>>> --profile LXDE-pi
>>>>>> root@hiqsdr:~#
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>>>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>>>>>>> borders with just Zo truncated.
>>>>>>> Close enough to be usable.
>>>>>>> Konsole output
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 13/08/15 19:57, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>> What I posted was just the part about the resolution.
>>>>>>>>
>>>>>>>> I am using LXDE and lxrandr only offers that resolution and it's the
>>>>>>>> default when I installed raspbian on the Pi 2.
>>>>>>>>
>>>>>>>> I'll have to check the Pi model B to see what that comes up with.
>>>>>>>>
>>>>>>>> I am running rasdr on the Pi model B and getting a display covering the
>>>>>>>> complete screen area right up to the metal surround. I haven't tried
>>>>>>>> quisk on the model B.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>> This is my output from xdpyinfo
>>>>>>>>>
>>>>>>>>> looks like alot is not needed....
>>>>>>>>>
>>>>>>>>> odroid@odroid:~$ xdpyinfo
>>>>>>>>> name of display: :0.0
>>>>>>>>> version number: 11.0
>>>>>>>>> vendor string: The X.Org Foundation
>>>>>>>>> vendor release number: 11501000
>>>>>>>>> X.Org version: 1.15.1
>>>>>>>>> maximum request size: 16777212 bytes

```
>>>>>>>>> motion buffer size: 256
>>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>>>>> image byte order: LSBFirst
>>>>>>>>> number of supported pixmap formats: 7
>>>>>>>>> supported pixmap formats:
>>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>>>>> keycode range: minimum 8, maximum 255
>>>>>>>>> focus: window 0x1e00137, revert to Parent
>>>>>>>>> number of extensions: 29
>>>>>>>>> BIG-REQUESTS
>>>>>>>>> Composite
>>>>>>>>> DAMAGE
>>>>>>>>> DOUBLE-BUFFER
>>>>>>>>> DPMS
>>>>>>>>> DRI2
>>>>>>>>> DRI3
>>>>>>>>> GLX
>>>>>>>>> Generic Event Extension
>>>>>>>>> MIT-SCREEN-SAVER
>>>>>>>>> MIT-SHM
>>>>>>>>> Present
>>>>>>>>> RANDR
>>>>>>>>> RECORD
>>>>>>>>> RENDER
>>>>>>>>> SECURITY
>>>>>>>>> SGI-GLX
>>>>>>>>> SHAPE
>>>>>>>>> SYNC
>>>>>>>>> X-Resource
>>>>>>>>> XC-MISC
>>>>>>>>> XFIXES
>>>>>>>>> XFree86-DGA
>>>>>>>>> XFree86-VidModeExtension
>>>>>>>>> XINERAMA
>>>>>>>>> XInputExtension
>>>>>>>>> XKEYBOARD
>>>>>>>>> XTEST
>>>>>>>>> XVideo
>>>>>>>>> default screen number: 0
>>>>>>>>> number of screens: 1
>>>>>>>>>
>>>>>>>>> screen #0:
>>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>>>>>> resolution: 96x96 dots per inch
```

```
>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>> root window id: 0xc2
>>>>>>>>> depth of root window: 16 planes
>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>> default colormap: 0x20
>>>>>>>>> default number of colormap cells: 64
>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>>>>> largest cursor: 1024x600
>>>>>>>>> current input event mask: 0x7a003c
>>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>>>>> number of visuals: 33
>>>>>>>>> default visual id: 0x21
>>>>>>>>> visual:
>>>>>>>>> visual id: 0x21
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa2
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa3
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa4
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa5
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
```

```
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa6
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa7
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa8
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa9
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xaa
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xab
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xac
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
```

```
>>>>>>>>> visual id: 0xad
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xae
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xaf
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb0
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb1
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb2
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb3
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb4
```

```
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb5
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb6
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb7
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb8
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb9
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xba
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbb
>>>>>>>>> class: DirectColor
```

>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbc
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbd
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbe
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbf
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xc0
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0x41
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 32 planes
>>>>>>>>> available colormap entries: 256 per subfield
>>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>> odroid@odroid:~$
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:

>>>>>>>>>> Konsole output
>>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>>>>> screen #0:
>>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>>> root window id: 0xe2
>>>>>>>>>> depth of root window: 16 planes
>>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>>> default colormap: 0x20
>>>>>>>>>> default number of colormap cells: 64
>>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>>> options: backing-store NO, save-unders NO
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>>>>>> xdpyinfo.
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>>>>>
>>>>>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>>>>>>
>>>>>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>>>>
>>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>>>>>> Hi Jim,
>>>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> Jim
>>>>>>>>>>>>>>>
>>> --
>>> Mike KC7NOA
>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1643. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-22 16:15:50 UTC
From: <Patriot121@...>
Topic: 1599 Message: 1643

So does mine .... well I get waterfall ... but it's 2/3" off from the graph ... so I don't use the waterfall ... but does work

Sent by Outlook for Android

On Thu, Aug 20, 2015 at 1:48 PM -0700, "Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
Thanks Mike,
That should be
Konsole output
bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)

Forgot to check how I fixed it back in the early hours of 11/22/2012 by
adding RGBA and changing 3, 1, row to 4, 1, row.
Waterfall still looks as messed up as it was then.
Both Pi 2 and ODROID-U3 now OK.
73 ... Sid.

Konsole outp

Konsole output
On 20/08/15 18:47, Mike Patriot121@... [n2adr-sdr] wrote:
> For me it was the addition of RGBA ... using the older command buffer
>
> On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> "4,1, row" used to work a long time ago, doesn't now neither on Pi 2 or
>> ODROID-U3.
>> 73 ... Sid.
>>
>> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
>>> Weird ... i don't get that error ...
>>>
>>> though i did get an error .. it was because i needed to replace
>>> quisk_conf_defaults.py too ....
>>>
>>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
>>> // 4, 1, row)
>>>
>>>
>>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>>> wrote:
>>>> Hi Mike,
>>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
>>>> Hermes-Lite on ODROID-U3.
>>>>
>>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy

>>>> with that.
>>>> The BitmapFromBuffer errors on ARM is still a mystery, changing from 3,1
>>>> to 4,1 doesn't fix it like it did quite a while back.
>>>>
>>>> I got a test version of quisk.py from Jim but quisk refuses to start
>>>> with it.
>>>> I sent Jim the error message a few days ago.
>>>> File
>>>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
>>>> line 497, in __init__
>>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
>>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
>>>> using "DejaVu Sans Mono-16", pixelsize=16.67
>>>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
>>>> Server terminated successfully (0). Closing log file.
>>>> 73 ... Sid.
>>>>
>>>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
>>>>> Did you try out the experimental quisk and default conf ....
>>>>>
>>>>> Or did he just send it to me ....
>>>>>
>>>>> Iv got almost fullscreen (couple pixels -- but who cares !!) apon bootup ...
>>>>>
>>>>>
>>>>>
>>>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>> I found a solution, using startx and automatically starting quisk then
>>>>>> using the window manager to make it fullscreen.
>>>>>>
>>>>>> Still having the display problem with BitmapFromData and having to use
>>>>>> Wfall then reducing the waterfall height to display only the graph.
>>>>>>
>>>>>> The Pi 2 with 4 CPU's can handle it all while the model B would probably
>>>>>> struggle.
>>>>>> Konsole output
>>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
>>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>>>>
>>>>>>
>>>>>> Konsole output
>>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>>>>> #!/bin/sh
>>>>>>
>>>>>> export DISPLAY=:0
>>>>>>
>>>>>> RESULT=`pgrep quisk`
>>>>>>
>>>>>> if ["${RESULT:-null}" = null]; then
>>>>>> startx &

>>>>>> ping -i 0.1 -c 2 192.168.2.196
>>>>>> (sleep 15s && xset -dpms; xset s off) &
>>>>>> cd /opt/quisk-3.7.4;python quisk.py
>>>>>> #### killall -r X
>>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>>>>> sync
>>>>>> # sudo shutdown -h now
>>>>>> fi
>>>>>>
>>>>>> Konsole output
>>>>>> root@hiqsdr:~# ps fax|grep X
>>>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
>>>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
>>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
>>>>>> -auth /tmp/serverauth.yidu9pumkf
>>>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
>>>>>> LXDE-pi -e LXDE
>>>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile LXDE-pi
>>>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
>>>>>> --profile LXDE-pi
>>>>>> root@hiqsdr:~#
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>> Setting self.screen_height and self.screen_width in quisk.py to "10 //
>>>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and right
>>>>>>> borders with just Zo truncated.
>>>>>>> Close enough to be usable.
>>>>>>> Konsole output
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 13/08/15 19:57, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>> What I posted was just the part about the resolution.
>>>>>>>>
>>>>>>>> I am using LXDE and lxrandr only offers that resolution and it's the
>>>>>>>> default when I installed raspbian on the Pi 2.
>>>>>>>>
>>>>>>>> I'll have to check the Pi model B to see what that comes up with.
>>>>>>>>
>>>>>>>> I am running rasdr on the Pi model B and getting a display covering the
>>>>>>>> complete screen area right up to the metal surround. I haven't tried
>>>>>>>> quisk on the model B.
>>>>>>>> 73 ... Sid.
>>>>>>>>
>>>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>> This is my output from xdpyinfo
>>>>>>>>>
>>>>>>>>> looks like alot is not needed....
>>>>>>>>>

```
>>>>>>>>> odroid@odroid:~$ xdpyinfo
>>>>>>>>> name of display: :0.0
>>>>>>>>> version number: 11.0
>>>>>>>>> vendor string: The X.Org Foundation
>>>>>>>>> vendor release number: 11501000
>>>>>>>>> X.Org version: 1.15.1
>>>>>>>>> maximum request size: 16777212 bytes
>>>>>>>>> motion buffer size: 256
>>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>>>>> image byte order: LSBFirst
>>>>>>>>> number of supported pixmap formats: 7
>>>>>>>>> supported pixmap formats:
>>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
>>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>>>>> keycode range: minimum 8, maximum 255
>>>>>>>>> focus: window 0x1e00137, revert to Parent
>>>>>>>>> number of extensions: 29
>>>>>>>>> BIG-REQUESTS
>>>>>>>>> Composite
>>>>>>>>> DAMAGE
>>>>>>>>> DOUBLE-BUFFER
>>>>>>>>> DPMS
>>>>>>>>> DRI2
>>>>>>>>> DRI3
>>>>>>>>> GLX
>>>>>>>>> Generic Event Extension
>>>>>>>>> MIT-SCREEN-SAVER
>>>>>>>>> MIT-SHM
>>>>>>>>> Present
>>>>>>>>> RANDR
>>>>>>>>> RECORD
>>>>>>>>> RENDER
>>>>>>>>> SECURITY
>>>>>>>>> SGI-GLX
>>>>>>>>> SHAPE
>>>>>>>>> SYNC
>>>>>>>>> X-Resource
>>>>>>>>> XC-MISC
>>>>>>>>> XFIXES
>>>>>>>>> XFree86-DGA
>>>>>>>>> XFree86-VidModeExtension
>>>>>>>>> XINERAMA
>>>>>>>>> XInputExtension
>>>>>>>>> XKEYBOARD
>>>>>>>>> XTEST
```

```
>>>>>>>>> XVideo
>>>>>>>>> default screen number: 0
>>>>>>>>> number of screens: 1
>>>>>>>>>
>>>>>>>>> screen #0:
>>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>> root window id: 0xc2
>>>>>>>>> depth of root window: 16 planes
>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>> default colormap: 0x20
>>>>>>>>> default number of colormap cells: 64
>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>>>>> largest cursor: 1024x600
>>>>>>>>> current input event mask: 0x7a003c
>>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>>>>> LeaveWindowMask StructureNotifyMask SubstructureNotifyMask
>>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>>>>> number of visuals: 33
>>>>>>>>> default visual id: 0x21
>>>>>>>>> visual:
>>>>>>>>> visual id: 0x21
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa2
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa3
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa4
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
```

```
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa5
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa6
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa7
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa8
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xa9
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xaa
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xab
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
```

```
>>>>>>>>> visual id: 0xac
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xad
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xae
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xaf
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb0
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb1
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb2
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb3
```

```
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb4
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb5
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb6
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb7
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb8
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xb9
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xba
>>>>>>>>> class: DirectColor
```

```
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbb
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbc
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbd
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbe
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xbf
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0xc0
>>>>>>>>> class: DirectColor
>>>>>>>>> depth: 16 planes
>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>> visual:
>>>>>>>>> visual id: 0x41
>>>>>>>>> class: TrueColor
>>>>>>>>> depth: 32 planes
```

>>>>>>>>> available colormap entries: 256 per subfield
>>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>> odroid@odroid:~$
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@blueyonder.co.uk [n2adr-sdr] wrote:
>>>>>>>>>> Konsole output
>>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>>>>> screen #0:
>>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>>> root window id: 0xe2
>>>>>>>>>> depth of root window: 16 planes
>>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>>> default colormap: 0x20
>>>>>>>>>> default number of colormap cells: 64
>>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>>> options: backing-store NO, save-unders NO
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@blueyonder.co.uk [n2adr-sdr] wrote:
>>>>>>>>>>> I'll have to check by running startx, opening a terminal and running
>>>>>>>>>>> xdpyinfo.
>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>
>>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@msn.com [n2adr-sdr] wrote:
>>>>>>>>>>>> Sid .. is that what the inserted print statements returned ....?
>>>>>>>>>>>>
>>>>>>>>>>>> The specs for my display are the same as yours .... 800 X 480 .... but
>>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to work fine ....
>>>>>>>>>>>>
>>>>>>>>>>>> cant for the life of me remember how to get xrandr to tell me the
>>>>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>>>>
>>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@... [n2adr-sdr] wrote:
>>>>>>>>>>>>> Hi Jim,
>>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>
>>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>>>>
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> Jim
>>>>>>>>>>>>>>
>>> --
>>> Mike KC7NOA
>>>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

1644. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-22 23:10:29 UTC
From: Sid Boyce
Topic: 1599 Message: 1644

Same here but the colours are all messed up.
With a display of 14080 - 14275KHz, 14228 - 14275 is just a black
rectangle on the Wfall, must be to do with using RGBA.
73 ... Sid.

On 22/08/15 17:15, Patriot121@... [n2adr-sdr] wrote:
>
> So does mine .... well I get waterfall ... but it's 2/3" off from the
> graph ... so I don't use the waterfall ... but does _work_
>
> Sent by Outlook <http://taps.io/outlookmobile> for Android
>
>
>
>
> On Thu, Aug 20, 2015 at 1:48 PM -0700, "Sid Boyce
> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Thanks Mike,
> That should be
> Konsole output
> bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
>
> Forgot to check how I fixed it back in the early hours of 11/22/2012 by
> adding RGBA and changing 3, 1, row to 4, 1, row.
> Waterfall still looks as messed up as it was then.
> Both Pi 2 and ODROID-U3 now OK.
> 73 ... Sid.
>
> Konsole outp
>
> Konsole output
> On 20/08/15 18:47, Mike Patriot121@... [n2adr-sdr] wrote:
> > For me it was the addition of RGBA ... using the older command buffer
> >
> > On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
> >> "4,1, row" used to work a long time ago, doesn't now neither on Pi
> 2 or
> >> ODROID-U3.
> >> 73 ... Sid.
> >>
> >> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
> >>> Weird ... i don't get that error ...

> >>>
> >>> though i did get an error .. it was because i needed to replace
> >>> quisk_conf_defaults.py too ....
> >>>
> >>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
> >>> // 4, 1, row)
> >>>
> >>>
> >>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> >>> wrote:
> >>>> Hi Mike,
> >>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
> >>>> Hermes-Lite on ODROID-U3.
> >>>>
> >>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
> >>>> with that.
> >>>> The BitmapFromBuffer errors on ARM is still a mystery, changing
> from 3,1
> >>>> to 4,1 doesn't fix it like it did quite a while back.
> >>>>
> >>>> I got a test version of quisk.py from Jim but quisk refuses to start
> >>>> with it.
> >>>> I sent Jim the error message a few days ago.
> >>>> File
> >>>>
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
> >>>> line 497, in __init__
> >>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
> >>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
> >>>> using "DejaVu Sans Mono-16", pixelsize=16.67
> >>>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
> >>>> Server terminated successfully (0). Closing log file.
> >>>> 73 ... Sid.
> >>>>
> >>>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>> Did you try out the experimental quisk and default conf ....
> >>>>>
> >>>>> Or did he just send it to me ....
> >>>>>
> >>>>> Iv got almost fullscreen (couple pixels -- but who cares !!)
> apon bootup ...
> >>>>>
> >>>>>
> >>>>>
> >>>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>> I found a solution, using startx and automatically starting
> quisk then
> >>>>>> using the window manager to make it fullscreen.
> >>>>>>

> >>>>>> Still having the display problem with BitmapFromData and having
> to use
> >>>>>> Wfall then reducing the waterfall height to display only the graph.
> >>>>>>
> >>>>>> The Pi 2 with 4 CPU's can handle it all while the model B would
> probably
> >>>>>> struggle.
> >>>>>> Konsole output
> >>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM
> TIME+ COMMAND
> >>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
> >>>>>>
> >>>>>>
> >>>>>> Konsole output
> >>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
> >>>>>> #!/bin/sh
> >>>>>>
> >>>>>> export DISPLAY=:0
> >>>>>>
> >>>>>> RESULT=`pgrep quisk`
> >>>>>>
> >>>>>> if ["${RESULT:-null}" = null]; then
> >>>>>> startx &
> >>>>>> ping -i 0.1 -c 2 192.168.2.196
> >>>>>> (sleep 15s && xset -dpms; xset s off) &
> >>>>>> cd /opt/quisk-3.7.4;python quisk.py
> >>>>>> #### killall -r X
> >>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
> >>>>>> sync
> >>>>>> # sudo shutdown -h now
> >>>>>> fi
> >>>>>>
> >>>>>> Konsole output
> >>>>>> root@hiqsdr:~# ps fax|grep X
> >>>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
> >>>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
> >>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
> >>>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0
> >>>>>> -auth /tmp/serverauth.yidu9pumkf
> >>>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
> >>>>>> LXDE-pi -e LXDE
> >>>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile
> LXDE-pi
> >>>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
> >>>>>> --profile LXDE-pi
> >>>>>> root@hiqsdr:~#
> >>>>>> 73 ... Sid.
> >>>>>>
> >>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr]
> wrote:

> >>>>>>> Setting self.screen_height and self.screen_width in quisk.py
> to "10 //
> >>>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and
> right
> >>>>>>> borders with just Zo truncated.
> >>>>>>> Close enough to be usable.
> >>>>>>> Konsole output
> >>>>>>> 73 ... Sid.
> >>>>>>>
> >>>>>>> On 13/08/15 19:57, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>> What I posted was just the part about the resolution.
> >>>>>>>>
> >>>>>>>> I am using LXDE and lxrandr only offers that resolution and
> it's the
> >>>>>>>> default when I installed raspbian on the Pi 2.
> >>>>>>>>
> >>>>>>>> I'll have to check the Pi model B to see what that comes up with.
> >>>>>>>>
> >>>>>>>> I am running rasdr on the Pi model B and getting a display
> covering the
> >>>>>>>> complete screen area right up to the metal surround. I
> haven't tried
> >>>>>>>> quisk on the model B.
> >>>>>>>> 73 ... Sid.
> >>>>>>>>
> >>>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>>>>>> This is my output from xdpyinfo
> >>>>>>>>>
> >>>>>>>>> looks like alot is not needed....
> >>>>>>>>>
> >>>>>>>>> odroid@odroid:~$ xdpyinfo
> >>>>>>>>> name of display: :0.0
> >>>>>>>>> version number: 11.0
> >>>>>>>>> vendor string: The X.Org Foundation
> >>>>>>>>> vendor release number: 11501000
> >>>>>>>>> X.Org version: 1.15.1
> >>>>>>>>> maximum request size: 16777212 bytes
> >>>>>>>>> motion buffer size: 256
> >>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
> >>>>>>>>> image byte order: LSBFirst
> >>>>>>>>> number of supported pixmap formats: 7
> >>>>>>>>> supported pixmap formats:
> >>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
> >>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
> >>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
> >>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
> >>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
> >>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
> >>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32

```
> >>>>>>>>> keycode range: minimum 8, maximum 255
> >>>>>>>>> focus: window 0x1e00137, revert to Parent
> >>>>>>>>> number of extensions: 29
> >>>>>>>>> BIG-REQUESTS
> >>>>>>>>> Composite
> >>>>>>>>> DAMAGE
> >>>>>>>>> DOUBLE-BUFFER
> >>>>>>>>> DPMS
> >>>>>>>>> DRI2
> >>>>>>>>> DRI3
> >>>>>>>>> GLX
> >>>>>>>>> Generic Event Extension
> >>>>>>>>> MIT-SCREEN-SAVER
> >>>>>>>>> MIT-SHM
> >>>>>>>>> Present
> >>>>>>>>> RANDR
> >>>>>>>>> RECORD
> >>>>>>>>> RENDER
> >>>>>>>>> SECURITY
> >>>>>>>>> SGI-GLX
> >>>>>>>>> SHAPE
> >>>>>>>>> SYNC
> >>>>>>>>> X-Resource
> >>>>>>>>> XC-MISC
> >>>>>>>>> XFIXES
> >>>>>>>>> XFree86-DGA
> >>>>>>>>> XFree86-VidModeExtension
> >>>>>>>>> XINERAMA
> >>>>>>>>> XInputExtension
> >>>>>>>>> XKEYBOARD
> >>>>>>>>> XTEST
> >>>>>>>>> XVideo
> >>>>>>>>> default screen number: 0
> >>>>>>>>> number of screens: 1
> >>>>>>>>>
> >>>>>>>>> screen #0:
> >>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
> >>>>>>>>> resolution: 96x96 dots per inch
> >>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
> >>>>>>>>> root window id: 0xc2
> >>>>>>>>> depth of root window: 16 planes
> >>>>>>>>> number of colormaps: minimum 1, maximum 1
> >>>>>>>>> default colormap: 0x20
> >>>>>>>>> default number of colormap cells: 64
> >>>>>>>>> preallocated pixels: black 0, white 65535
> >>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
> >>>>>>>>> largest cursor: 1024x600
> >>>>>>>>> current input event mask: 0x7a003c
> >>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
> >>>>>>>>> LeaveWindowMask StructureNotifyMask
```

```
> SubstructureNotifyMask
> >>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
> >>>>>>>>> number of visuals: 33
> >>>>>>>>> default visual id: 0x21
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0x21
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 8 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa2
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa3
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa4
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa5
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa6
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa7
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
```

> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa8
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa9
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xaa
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xab
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xac
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xad
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xae
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield

```
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xaf
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb0
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb1
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb2
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb3
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb4
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb5
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb6
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb7
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb8
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb9
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xba
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbb
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbc
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
```

> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbd
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbe
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbf
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xc0
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0x41
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 32 planes
> >>>>>>>>> available colormap entries: 256 per subfield
> >>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
> >>>>>>>>> significant bits in color specification: 8 bits
> >>>>>>>>> odroid@odroid:~$
> >>>>>>>>>
> >>>>>>>>>
> >>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>> Konsole output
> >>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
> >>>>>>>>>> screen #0:
> >>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
> >>>>>>>>>> resolution: 96x96 dots per inch
> >>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
> >>>>>>>>>> root window id: 0xe2
> >>>>>>>>>> depth of root window: 16 planes
> >>>>>>>>>> number of colormaps: minimum 1, maximum 1
> >>>>>>>>>> default colormap: 0x20

> >>>>>>>>>> default number of colormap cells: 64
> >>>>>>>>>> preallocated pixels: black 0, white 65535
> >>>>>>>>>> options: backing-store NO, save-unders NO
> >>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>
> >>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>>> I'll have to check by running startx, opening a terminal
> and running
> >>>>>>>>>>> xdpyinfo.
> >>>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>>
> >>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>>>>>>>>> Sid .. is that what the inserted print statements
> returned ....?
> >>>>>>>>>>>>
> >>>>>>>>>>>> The specs for my display are the same as yours .... 800 X
> 480 .... but
> >>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to
> work fine ....
> >>>>>>>>>>>>
> >>>>>>>>>>>> cant for the life of me remember how to get xrandr to
> tell me the
> >>>>>>>>>>>> current resolution (ssh connection)
> >>>>>>>>>>>>
> >>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>>>>> Hi Jim,
> >>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
> >>>>>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>>>>
> >>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
> >>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
> >>>>>>>>>>>>>
> >>>>>>>>>>>>>
> >>>>>>>>>>>>>> Jim
> >>>>>>>>>>>>>
> >>> --
> >>> Mike KC7NOA
> >>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1645. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-08-23 08:16:53 UTC
From: Sid Boyce
Topic: 1599 Message: 1645
Attachments: 1 described; binary payloads are missing from this source WARC

Here is the screenshot.
73 ... Sid.

On 23/08/15 00:10, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Same here but the colours are all messed up.
> With a display of 14080 - 14275KHz, 14228 - 14275 is just a black
> rectangle on the Wfall, must be to do with using RGBA.
> 73 ... Sid.
>
> On 22/08/15 17:15, Patriot121@... [n2adr-sdr] wrote:
>> So does mine .... well I get waterfall ... but it's 2/3" off from the
>> graph ... so I don't use the waterfall ... but does _work_
>>
>> Sent by Outlook <http://taps.io/outlookmobile> for Android
>>
>>
>>
>>
>> On Thu, Aug 20, 2015 at 1:48 PM -0700, "Sid Boyce
>> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> Thanks Mike,
>> That should be
>> Konsole output
>> bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
>>
>> Forgot to check how I fixed it back in the early hours of 11/22/2012 by
>> adding RGBA and changing 3, 1, row to 4, 1, row.
>> Waterfall still looks as messed up as it was then.
>> Both Pi 2 and ODROID-U3 now OK.
>> 73 ... Sid.
>>
>> Konsole outp
>>
>> Konsole output
>> On 20/08/15 18:47, Mike Patriot121@... [n2adr-sdr] wrote:
>>> For me it was the addition of RGBA ... using the older command buffer
>>>
>>> On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>> wrote:
>>>> "4,1, row" used to work a long time ago, doesn't now neither on Pi
>> 2 or
>>>> ODROID-U3.

>>>> 73 ... Sid.
>>>>
>>>> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
>>>>> Weird ... i don't get that error ...
>>>>>
>>>>> though i did get an error .. it was because i needed to replace
>>>>> quisk_conf_defaults.py too ....
>>>>>
>>>>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
>>>>> // 4, 1, row)
>>>>>
>>>>>
>>>>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
>>>>> wrote:
>>>>>> Hi Mike,
>>>>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
>>>>>> Hermes-Lite on ODROID-U3.
>>>>>>
>>>>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
>>>>>> with that.
>>>>>> The BitmapFromBuffer errors on ARM is still a mystery, changing
>> from 3,1
>>>>>> to 4,1 doesn't fix it like it did quite a while back.
>>>>>>
>>>>>> I got a test version of quisk.py from Jim but quisk refuses to start
>>>>>> with it.
>>>>>> I sent Jim the error message a few days ago.
>>>>>> File
>>>>>>
>> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
>>>>>> line 497, in __init__
>>>>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
>>>>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
>>>>>> using "DejaVu Sans Mono-16", pixelsize=16.67
>>>>>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
>>>>>> Server terminated successfully (0). Closing log file.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>> Did you try out the experimental quisk and default conf ....
>>>>>>>
>>>>>>> Or did he just send it to me ....
>>>>>>>
>>>>>>> Iv got almost fullscreen (couple pixels -- but who cares !!)
>> apon bootup ...
>>>>>>>
>>>>>>>
>>>>>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@...
>> [n2adr-sdr] wrote:
>>>>>>>> I found a solution, using startx and automatically starting

```
>> quisk then
>>>>>>>> using the window manager to make it fullscreen.
>>>>>>>>
>>>>>>>> Still having the display problem with BitmapFromData and having
>> to use
>>>>>>>> Wfall then reducing the waterfall height to display only the graph.
>>>>>>>>
>>>>>>>> The Pi 2 with 4 CPU's can handle it all while the model B would
>> probably
>>>>>>>> struggle.
>>>>>>>> Konsole output
>>>>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM
>> TIME+ COMMAND
>>>>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
>>>>>>>>
>>>>>>>>
>>>>>>>> Konsole output
>>>>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
>>>>>>>> #!/bin/sh
>>>>>>>>
>>>>>>>> export DISPLAY=:0
>>>>>>>>
>>>>>>>> RESULT=`pgrep quisk`
>>>>>>>>
>>>>>>>> if [ "${RESULT:-null}" = null ]; then
>>>>>>>> startx &
>>>>>>>> ping -i 0.1 -c 2 192.168.2.196
>>>>>>>> (sleep 15s && xset -dpms; xset s off) &
>>>>>>>> cd /opt/quisk-3.7.4;python quisk.py
>>>>>>>> #### killall -r X
>>>>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
>>>>>>>> sync
>>>>>>>> # sudo shutdown -h now
>>>>>>>> fi
>>>>>>>>
>>>>>>>> Konsole output
>>>>>>>> root@hiqsdr:~# ps fax|grep X
>>>>>>>> 22355 pts/0 S+ 0:00 \_ grep --color=auto X
>>>>>>>> 2483 tty1 S+ 0:00 | \_ xinit /etc/X11/xinit/xinitrc --
>>>>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
>>>>>>>> 2484 tty7 Ss+ 0:30 | \_ /usr/bin/X-nolisten tcp :0
>>>>>>>> -auth /tmp/serverauth.yidu9pumkf
>>>>>>>> 2632 tty1 Sl 0:00 | \_ /usr/bin/lxsession -s
>>>>>>>> LXDE-pi -e LXDE
>>>>>>>> 2657 tty1 Sl 0:02 | \_ lxpanel --profile
>> LXDE-pi
>>>>>>>> 2659 tty1 Sl 0:00 | \_ pcmanfm --desktop
>>>>>>>> --profile LXDE-pi
>>>>>>>> root@hiqsdr:~#
>>>>>>>> 73 ... Sid.
```

>>>>>>>>
>>>>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr]
>> wrote:
>>>>>>>>> Setting self.screen_height and self.screen_width in quisk.py
>> to "10 //
>>>>>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and
>> right
>>>>>>>>> borders with just Zo truncated.
>>>>>>>>> Close enough to be usable.
>>>>>>>>> Konsole output
>>>>>>>>> 73 ... Sid.
>>>>>>>>>
>>>>>>>>> On 13/08/15 19:57, Sid Boyceg3vbv@...
>> [n2adr-sdr] wrote:
>>>>>>>>>> What I posted was just the part about the resolution.
>>>>>>>>>>
>>>>>>>>>> I am using LXDE and lxrandr only offers that resolution and
>> it's the
>>>>>>>>>> default when I installed raspbian on the Pi 2.
>>>>>>>>>>
>>>>>>>>>> I'll have to check the Pi model B to see what that comes up with.
>>>>>>>>>>
>>>>>>>>>> I am running rasdr on the Pi model B and getting a display
>> covering the
>>>>>>>>>> complete screen area right up to the metal surround. I
>> haven't tried
>>>>>>>>>> quisk on the model B.
>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>
>>>>>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>>>> This is my output from xdpyinfo
>>>>>>>>>>>
>>>>>>>>>>> looks like alot is not needed....
>>>>>>>>>>>
>>>>>>>>>>> odroid@odroid:~$ xdpyinfo
>>>>>>>>>>> name of display: :0.0
>>>>>>>>>>> version number: 11.0
>>>>>>>>>>> vendor string: The X.Org Foundation
>>>>>>>>>>> vendor release number: 11501000
>>>>>>>>>>> X.Org version: 1.15.1
>>>>>>>>>>> maximum request size: 16777212 bytes
>>>>>>>>>>> motion buffer size: 256
>>>>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
>>>>>>>>>>> image byte order: LSBFirst
>>>>>>>>>>> number of supported pixmap formats: 7
>>>>>>>>>>> supported pixmap formats:
>>>>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
>>>>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
>>>>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
>>>>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32

```
>>>>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
>>>>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
>>>>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
>>>>>>>>>>> keycode range: minimum 8, maximum 255
>>>>>>>>>>> focus: window 0x1e00137, revert to Parent
>>>>>>>>>>> number of extensions: 29
>>>>>>>>>>> BIG-REQUESTS
>>>>>>>>>>> Composite
>>>>>>>>>>> DAMAGE
>>>>>>>>>>> DOUBLE-BUFFER
>>>>>>>>>>> DPMS
>>>>>>>>>>> DRI2
>>>>>>>>>>> DRI3
>>>>>>>>>>> GLX
>>>>>>>>>>> Generic Event Extension
>>>>>>>>>>> MIT-SCREEN-SAVER
>>>>>>>>>>> MIT-SHM
>>>>>>>>>>> Present
>>>>>>>>>>> RANDR
>>>>>>>>>>> RECORD
>>>>>>>>>>> RENDER
>>>>>>>>>>> SECURITY
>>>>>>>>>>> SGI-GLX
>>>>>>>>>>> SHAPE
>>>>>>>>>>> SYNC
>>>>>>>>>>> X-Resource
>>>>>>>>>>> XC-MISC
>>>>>>>>>>> XFIXES
>>>>>>>>>>> XFree86-DGA
>>>>>>>>>>> XFree86-VidModeExtension
>>>>>>>>>>> XINERAMA
>>>>>>>>>>> XInputExtension
>>>>>>>>>>> XKEYBOARD
>>>>>>>>>>> XTEST
>>>>>>>>>>> XVideo
>>>>>>>>>>> default screen number: 0
>>>>>>>>>>> number of screens: 1
>>>>>>>>>>>
>>>>>>>>>>> screen #0:
>>>>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
>>>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>>>> root window id: 0xc2
>>>>>>>>>>> depth of root window: 16 planes
>>>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>>>> default colormap: 0x20
>>>>>>>>>>> default number of colormap cells: 64
>>>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
>>>>>>>>>>> largest cursor: 1024x600
```

```
>>>>>>>>>>> current input event mask: 0x7a003c
>>>>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
>>>>>>>>>>> LeaveWindowMask StructureNotifyMask
>> SubstructureNotifyMask
>>>>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
>>>>>>>>>>> number of visuals: 33
>>>>>>>>>>> default visual id: 0x21
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0x21
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa2
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa3
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa4
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa5
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa6
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
```

```
>>>>>>>>>>> visual id: 0xa7
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa8
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xa9
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xaa
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xab
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xac
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xad
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xae
```

```
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xaf
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb0
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb1
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb2
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb3
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb4
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb5
>>>>>>>>>>> class: DirectColor
```

>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb6
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb7
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb8
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xb9
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xba
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xbb
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xbc
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes

>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xbd
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xbe
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xbf
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0xc0
>>>>>>>>>>> class: DirectColor
>>>>>>>>>>> depth: 16 planes
>>>>>>>>>>> available colormap entries: 64 per subfield
>>>>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
>>>>>>>>>>> significant bits in color specification: 6 bits
>>>>>>>>>>> visual:
>>>>>>>>>>> visual id: 0x41
>>>>>>>>>>> class: TrueColor
>>>>>>>>>>> depth: 32 planes
>>>>>>>>>>> available colormap entries: 256 per subfield
>>>>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
>>>>>>>>>>> significant bits in color specification: 8 bits
>>>>>>>>>>> odroid@odroid:~$
>>>>>>>>>>>
>>>>>>>>>>>
>>>>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@...
>> [n2adr-sdr] wrote:
>>>>>>>>>>>> Konsole output
>>>>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
>>>>>>>>>>>> screen #0:
>>>>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
>>>>>>>>>>>> resolution: 96x96 dots per inch
>>>>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
>>>>>>>>>>>> root window id: 0xe2

>>>>>>>>>>>> depth of root window: 16 planes
>>>>>>>>>>>> number of colormaps: minimum 1, maximum 1
>>>>>>>>>>>> default colormap: 0x20
>>>>>>>>>>>> default number of colormap cells: 64
>>>>>>>>>>>> preallocated pixels: black 0, white 65535
>>>>>>>>>>>> options: backing-store NO, save-unders NO
>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>
>>>>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@...
>> [n2adr-sdr] wrote:
>>>>>>>>>>>>> I'll have to check by running startx, opening a terminal
>> and running
>>>>>>>>>>>>> xdpyinfo.
>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>
>>>>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
>>>>>>>>>>>>>> Sid .. is that what the inserted print statements
>> returned ....?
>>>>>>>>>>>>>> The specs for my display are the same as yours .... 800 X
>> 480 .... but
>>>>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to
>> work fine ....
>>>>>>>>>>>>>> cant for the life of me remember how to get xrandr to
>> tell me the
>>>>>>>>>>>>>> current resolution (ssh connection)
>>>>>>>>>>>>>>
>>>>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@...
>> [n2adr-sdr] wrote:
>>>>>>>>>>>>>>> Hi Jim,
>>>>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
>>>>>>>>>>>>>>> 73 ... Sid.
>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
>>>>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>> Jim
>>>>>>>>>>>>>>>>
>>>>>> --
>>>>>> Mike KC7NOA
>>>>>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1646. PCB

Yahoo group: n2adr-sdr
Date: 2015-08-25 10:41:41 UTC
From: sp3osj@...
Topic: 1646 Message: 1646

Where can I buy PCB HIQSDR v2.4 design RA4CJQ?

1647. Re: PCB

Yahoo group: n2adr-sdr
Date: 2015-08-26 11:10:56 UTC
From: dh5ym@...
Topic: 1646 Message: 1647

Hi,

what do you mean with "design RA4CJQ" ? I assume you are mixing up different things. The design done by Hellmut DB1CC you can buy at technologie2000.de. That design is usually meant when talking about HiQSDR and it has revision 2.4.
I think there are just the assembled and tested PCBs and no bare PCB.
Maybe there is another design by RA4CJQ, at least i do not remember out of the head.

I hope these comments are helpful for you.

73 de Mario, DH5YM

1648. Re: [n2adr-sdr] Re: PCB

Yahoo group: n2adr-sdr
Date: 2015-08-26 15:31:52 UTC
From: Sid Boyce
Topic: 1646 Message: 1648

http://technologie2000.de/bestellenorder/hiqsdr-trx.html
There is the HiQSDR bare PCB there for sale at 38 Euro.

There is also the Russian HiQSDR-mini 2.0
http://www.sdr-deluxe.com/publ/transiver_hiqsdr_mini_2_0/1-1-0-1 the
link to the store is broken.

The RA4CJQ transceiver is something else, it's a QSD/QSE design.

There is obviously some confusion about what he really needs.
73 ... Sid.

On 26/08/15 12:10, dh5ym@... [n2adr-sdr] wrote:
>
> Hi,
>
> what do you mean with "design RA4CJQ" ? I assume you are mixing up
> different things. The design done by Hellmut DB1CC you can buy at
> technologie2000.de. That design is usually meant when talking about
> HiQSDR and it has revision 2.4.
> I think there are just the assembled and tested PCBs and no bare PCB.
> Maybe there is another design by RA4CJQ, at least i do not remember
> out of the head.
>
> I hope these comments are helpful for you.
>
> 73 de Mario, DH5YM
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1649. Re: PCB

Yahoo group: n2adr-sdr
Date: 2015-08-27 10:05:31 UTC
From: rolin791@...
Topic: 1646 Message: 1649

You can see it here
http://www.cqham.ru/forum/showthread.php?26553-HIQSDR&p=1130859&viewfull=1#post1130859
http://www.cqham.ru/forum/showthread.php?26553-HIQSDR&p=1130859&viewfull=1#post1130859
and preselector + PA here
http://www.cqham.ru/forum/showthread.php?26553-HIQSDR&p=1138844&viewfull=1#post1138844
http://www.cqham.ru/forum/showthread.php?26553-HIQSDR&p=1138844&viewfull=1#post1138844
Need to register on the forum and write letter via private messedge. Try english lang.

1650. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-04 09:20:43 UTC
From: Huib Koppers
Topic: 1327 Message: 1650

Hi Rolin,

Nice job of this SDR software for support on HermesSDR and HiQSDR on
Windows platform.

Just a few abriviations:

1. Support for IP adress change (i don't use 192.168.2.196) on HiQSDR
is not possible.

2. Support for speaker output level for HermesSDR doesn't work.

regards

huib

rolin791@... [n2adr-sdr] schreef op 12-8-2015 om 22:54:
>
> Zeus Radio support now N2ADR/HiqSDR protocol with TX, external control
> and Tx predistortion mode. Last version in my folder here
> <https://xa.yimg.com/df/n2adr-sdr/ZeusRadio2.8.5beta50.zip?token=HS4OboB_8sOW9EVbqWzJAyu
SAH5awyXzbBMUOyCsguyF9KJ_qqfPWJzI5Y5qHn1NI_59Hi2zADAZIOCMkDcltkHJ2Sqmbu4r6WDZvkIOdtIPhoyj3
_3Cd-IKTkErh06j&type=download>.
>
>
> It will be helpful if you will give comments.
>
>

1651. Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-04 10:57:32 UTC
From: rolin791@...
Topic: 1327 Message: 1651

Thanks for your notice.
1) You can change IP adress in link parameters. Ex. RCM on HIQSDR link and choose Properties. You can see parameters - ZeusRadio.exe hiqsdr ip=192.168.2.196 control=48248 rx=48247 tx=48249 codec=48250

It is work?

2) Headphones work good ? Problem only with speaker ?

Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
https://cloud.mail.ru/public/82j4/3s4odHgbZ

1652. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-04 17:07:03 UTC
From: Huib Koppers
Topic: 1327 Message: 1652

Hello Rolin,

Thanks for the reply

Speaker or Headphone on HermesSDR is functioning but not by volume
control on ZeusSDR application.

On the soundcard by PC Volume control works well.

Still have another question for the HiQSDRmini, is this PCB available ?

Regards

huib

rolin791@... [n2adr-sdr] schreef op 4-9-2015 om 12:57:
>
> Thanks for your notice.
>
>
> 1) You can change IP adress in link parameters. Ex. RCM on HIQSDR link
> and choose Properties. You can see parameters - ZeusRadio.exe hiqsdr
> ip=192.168.2.196 control=48248 rx=48247 tx=48249 codec=48250
>
> It is work?
>
> 2) Headphones work good ? Problem only with speaker ?
>
> Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
>

1653. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-05 09:20:13 UTC
From: Huib Koppers
Topic: 1327 Message: 1653

Rolin,

I have tested de HiQSDR on the ZeusSDR application and so far everything
seems to work on Tx and Rx part.

On the Hermes I noticed that only Mic audio does not work on the same
audio-card as the speaker / headphone from that card.
When both audio ports on the same audio-card are available then
speaker-audio / headphone audio sounds clipped and disturbed.
Microfoon audio is sounds well.

Also Zeus-hermes application has problems to find the HermesSDR
ip-adress tested on AMD and Intel desktop systems.

I hope this is usefull information for you

regards

huib

rolin791@... [n2adr-sdr] schreef op 4-9-2015 om 12:57:
>
> Thanks for your notice.
>
>
> 1) You can change IP adress in link parameters. Ex. RCM on HIQSDR link
> and choose Properties. You can see parameters - ZeusRadio.exe hiqsdr
> ip=192.168.2.196 control=48248 rx=48247 tx=48249 codec=48250
>
> It is work?
>
> 2) Headphones work good ? Problem only with speaker ?
>
> Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
>

1654. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-05 09:29:49 UTC
From: Huib Koppers
Topic: 1327 Message: 1654

Hello Rolin,

Small correction about mic-audio Hermes.

When there are different audio-cards are available then mic-audio and
speaker / headphone audio sounds well if mic-audio is not on the same
audio card as speaker / headphone audio.

regards

huib

rolin791@... [n2adr-sdr] schreef op 4-9-2015 om 12:57:
>
> Thanks for your notice.
>
>
> 1) You can change IP adress in link parameters. Ex. RCM on HIQSDR link
> and choose Properties. You can see parameters - ZeusRadio.exe hiqsdr
> ip=192.168.2.196 control=48248 rx=48247 tx=48249 codec=48250
>
> It is work?
>
> 2) Headphones work good ? Problem only with speaker ?
>
> Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
>

1655. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-05 10:56:48 UTC
From: rolin791@...
Topic: 1327 Message: 1655

"Speaker or Headphone on HermesSDR is functioning but not by volume control on ZeusSDR application."
Click left button mouse on the "PC" for get changes and right button mouse on the speaker icon for change microphone source.

"Still have another question for the HiQSDRmini, is this PCB available ?"

If you mean clear PCB boards - I nave little quantity of mini2 boards, with BGA package of FPGA.
If you mean assembled board, that is not available, project "Odyssey" now is currently active.

"When there are different audio-cards are available then mic-audio and speaker / headphone audio sounds well if mic-audio is not on the same audio card as speaker / headphone audio."

What problem with mic ? Bad sound ?

---In n2adr-sdr@yahoogroups.com, <hkopp64@...> wrote :

Hello Rolin,

Thanks for the reply

Speaker or Headphone on HermesSDR is functioning but not by volume control on ZeusSDR application.

On the soundcard by PC Volume control works well.

Still have another question for the HiQSDRmini, is this PCB available ?

Regards

huib

rolin791@... mailto:rolin791@... [n2adr-sdr] schreef op 4-9-2015 om 12:57:

Thanks for your notice.

1) You can change IP adress in link parameters. Ex. RCM on HIQSDR link and choose Properties. You can see parameters - ZeusRadio.exe hiqsdr ip=192.168.2.196 control=48248 rx=48247 tx=48249 codec=48250

It is work?

2) Headphones work good ? Problem only with speaker ?

Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
https://cloud.mail.ru/public/82j4/3s4odHgbZ

1656. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-11 10:18:29 UTC
From: Huib Koppers
Topic: 1327 Message: 1656

Rolin

mic audio does not work

rolin791@... [n2adr-sdr] schreef op 5-9-2015 om 12:56:
>
> "Speaker or Headphone on HermesSDR is functioning but not by volume
> control on ZeusSDR application."
>
>
> Click left button mouse on the "PC" for get changes and right button
> mouse on the speaker icon for change microphone source.
>
> "Still have another question for the HiQSDRmini, is this PCB available ?"
>
> If you mean clear PCB boards - I nave little quantity of mini2 boards,
> with BGA package of FPGA.
> If you mean assembled board, that is not available, project "Odyssey"
> now is currently active.
>
> "When there are different audio-cards are available then mic-audio and
> speaker / headphone audio sounds well if mic-audio is not on the same
> audio card as speaker / headphone audio."
>
> What problem with mic ? Bad sound ?
>
> ---In n2adr-sdr@yahoogroups.com, <hkopp64@...> wrote :
>
> Hello Rolin,
>
> Thanks for the reply
>
> Speaker or Headphone on HermesSDR is functioning but not by volume
> control on ZeusSDR application.
>
> On the soundcard by PC Volume control works well.
>
> Still have another question for the HiQSDRmini, is this PCB available ?
>
> Regards
>
> huib
>
>
> rolin791@... <mailto:rolin791@...> [n2adr-sdr] schreef op 4-9-2015 om

> 12:57:
>
>> Thanks for your notice.
>>
>>
>> 1) You can change IP adress in link parameters. Ex. RCM on HIQSDR
>> link and choose Properties. You can see parameters -
>> ZeusRadio.exe hiqsdr ip=192.168.2.196 control=48248 rx=48247
>> tx=48249 codec=48250
>>
>> It is work?
>>
>> 2) Headphones work good ? Problem only with speaker ?
>>
>> Use last b58 version https://cloud.mail.ru/public/82j4/3s4odHgbZ
>
>

1657. Quisk 3.7.5

Yahoo group: n2adr-sdr
Date: 2015-09-11 16:16:56 UTC
From: jahlstr@...
Topic: 1657 Message: 1657

I changed the code for full-screen mode. You can now enter window sizes directly. See window_width in the file quisk_conf_defaults.py.

I added two more bits to tx_control for the FPGA protocol. I updated the PyUSB package that ships with Quisk to version 1.0.0b2.

The received characters from FreeDV now appear in the upper left of the graph. I added the new FreeDV 700 and 700B modes. Right-click the FDV button to select the mode.

To make it clear when buttons have added functions, I added a miniature slider to buttons that can be right-clicked, and a circular arrow to buttons that can be clicked repeatedly. This can be turned off in your config file.

Jim

N2ADR

1658. Re: [n2adr-sdr] Re: HiqSDR was supported by Zeus Radio

Yahoo group: n2adr-sdr
Date: 2015-09-12 11:00:17 UTC
From: rolin791@...
Topic: 1327 Message: 1658

What of them ? Hermes onboard microphone is work ? If some soundcards microphone doesn't work, please check him in other programm. Sorry, I didn't undestend your problem. Simple soundcard microphone certainly works, It is not first beta. What sound driver do you use ?

1660. 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-13 15:10:03 UTC
From: g0izm@...
Topic: 1660 Message: 1660

Hello all

Is anyone else seeing anything like this?

In 3.7.4 and now 3.7.5 when I run quisk using pasuspender it crashes after a variable number of minutes (of the order 5 to 20) with error "WARNING: Child process terminated by signal 11" (Seg Fault in Python I guess?).

- 3.7.2 is stable when started the same way
- later versions are stable when run without pasuspender (but unusable for transmit because pulseaudio gives me an audio lag of several seconds).

There's no point I think in listing my setup in vast detail if I'm the only one with the problem but at a top level this is on Arch Linux with Cinnamon desktop.

Cheers
Ian

1661. RE: [n2adr-sdr] 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-13 15:48:01 UTC
From: MIKE DURKIN
Topic: 1660 Message: 1661

Intel or arm or ?

Im ok with no crashes for days ....

but iv not installed 3.7.5 yet .... just 3.7.4, im having fun on the local 2M FM repeaters ...

Odroid/UHFSDR/Ubuntu14.04

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 13 Sep 2015 08:10:03 -0700
Subject: [n2adr-sdr] 3.7.4 & 3.7.5 crash using pasuspender

Hello all

Is anyone else seeing anything like this?

In 3.7.4 and now 3.7.5 when I run quisk using pasuspender it crashes after a variable number of minutes (of the order 5 to 20) with error "WARNING: Child process terminated by signal 11" (Seg Fault in Python I guess?).

- 3.7.2 is stable when started the same way
- later versions are stable when run without pasuspender (but unusable for transmit because pulseaudio gives me an audio lag of several seconds).

There's no point I think in listing my setup in vast detail if I'm the only one with the problem but at a top level this is on Arch Linux with Cinnamon desktop.

Cheers
Ian

1662. Re: [n2adr-sdr] 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-13 15:59:00 UTC
From: Eric Thornton
Topic: 1660 Message: 1662

I'm not that experienced with pasuspender, but you can disable pulse audio autostart manually.

edit /etc/pulse/client.conf and change "autospawn = yes" to "autospawn = no". Then run "pulseaudio -k" and it should take care of it.

You can restart it when complete by running "pulseaudio --start" but at least in Ubuntu, it won't start automatically on login with autospawn turned off.

The lag with pulse audio was a show stopper for me. I would accumulate seconds of lag over just a few minutes. Short of modifying the code, there is no quick fix. I've been working with Jim on an improved implementation that fixes this.

Eric
KM4DSJ

On Sun, Sep 13, 2015 at 11:10 AM, g0izm@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello all
>
> Is anyone else seeing anything like this?
>
> In 3.7.4 and now 3.7.5 when I run quisk using pasuspender it crashes after
> a variable number of minutes (of the order 5 to 20) with error "WARNING:
> Child process terminated by signal 11" (Seg Fault in Python I guess?).
>
> - 3.7.2 is stable when started the same way
> - later versions are stable when run without pasuspender (but unusable for
> transmit because pulseaudio gives me an audio lag of several seconds).
>
> There's no point I think in listing my setup in vast detail if I'm the
> only one with the problem but at a top level this is on Arch Linux with
> Cinnamon desktop.
>
> Cheers
> Ian
>
>
>
>

1663. Re: 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-14 17:50:48 UTC
From: g0izm@...
Topic: 1660 Message: 1663

Thanks - I should have thought of disabling pulseaudio completely. I only have it installed because it's a hard dependency of another package.

Quisk now seems to be running fine, so problem solved (or at least worked around).

Agree re: pulseaudio lag being a show stopper - I get crazy amounts of latency.

Ian

1664. Re: 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-15 14:30:27 UTC
From: jahlstr@...
Topic: 1660 Message: 1664

Quisk will have a new version of PulseAudio soon. It was contributed by Eric, KM4DSJ. Stay tuned.

Jim
N2ADR

1665. Re: [n2adr-sdr] Re: 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-15 16:13:40 UTC
From: <Patriot121@...>
Topic: 1660 Message: 1665

Cool.... don't have issues on my OdroidX2 (that I'm aware of) but lower latency is always better ....

Sent by Outlook for Android

On Tue, Sep 15, 2015 at 7:30 AM -0700, "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
Quisk will have a new version of PulseAudio soon. It was contributed by Eric, KM4DSJ. Stay tuned.

Jim
N2ADR

1666. Re: 3.7.4 & 3.7.5 crash using pasuspender

Yahoo group: n2adr-sdr
Date: 2015-09-16 21:20:40 UTC
From: g0izm@...
Topic: 1660 Message: 1666

Well that was quick... I was going to offer to help test any new version with updated pulseaudio but it looks like I'm too late.

Just trying out 3.7.6 - so far it's a vast improvement.

Great work Jim & Eric - thanks

Ian

1667. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 01:24:22 UTC
From: Sid Boyce
Topic: 1599 Message: 1667
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,
I have been trying to pin down the Waterfall display problem on ARM.
It needs wx.BitmapFromBufferRGBA.

Konsole output
This method can be used to create a wxBitmap inside of wxPython, using
wx.BitmapFromBufferRGB or RGBA.

bmp = wx.BitmapFromBufferRGB(surface.get_width(), surface.get_height(),
surface.get_buffer())

wx.BitmapFromBufferRGBA must be used if the surface contains per pixel
alpha data.

I don't know if it will require just a trivial patch.
73 ... Sid.

On 22/08/15 17:15, Patriot121@... [n2adr-sdr] wrote:
>
> So does mine .... well I get waterfall ... but it's 2/3" off from the
> graph ... so I don't use the waterfall ... but does _work_
>
> Sent by Outlook <http://taps.io/outlookmobile> for Android
>
>
>
>
> On Thu, Aug 20, 2015 at 1:48 PM -0700, "Sid Boyce
> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Thanks Mike,
> That should be
> Konsole output
> bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
>
> Forgot to check how I fixed it back in the early hours of 11/22/2012 by
> adding RGBA and changing 3, 1, row to 4, 1, row.
> Waterfall still looks as messed up as it was then.
> Both Pi 2 and ODROID-U3 now OK.
> 73 ... Sid.
>
> Konsole outp
>
> Konsole output

> On 20/08/15 18:47, Mike Patriot121@... [n2adr-sdr] wrote:
> > For me it was the addition of RGBA ... using the older command buffer
> >
> > On 08/20/2015 10:10 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> wrote:
> >> "4,1, row" used to work a long time ago, doesn't now neither on Pi
> 2 or
> >> ODROID-U3.
> >> 73 ... Sid.
> >>
> >> On 20/08/15 10:11, Mike Patriot121@... [n2adr-sdr] wrote:
> >>> Weird ... i don't get that error ...
> >>>
> >>> though i did get an error .. it was because i needed to replace
> >>> quisk_conf_defaults.py too ....
> >>>
> >>> and as always... im using the bmp = wx.BitmapFromBuffer*RGBA*(len(row)
> >>> // 4, 1, row)
> >>>
> >>>
> >>> On 08/20/2015 12:28 AM, Sid Boyce g3vbv@... [n2adr-sdr]
> >>> wrote:
> >>>> Hi Mike,
> >>>> I am using quisk configs for different gear, HiQSDR on Pi 2 and
> >>>> Hermes-Lite on ODROID-U3.
> >>>>
> >>>> I have almost fullscreen on the Pi 2 which is also OK and I am happy
> >>>> with that.
> >>>> The BitmapFromBuffer errors on ARM is still a mystery, changing
> from 3,1
> >>>> to 4,1 doesn't fix it like it did quite a while back.
> >>>>
> >>>> I got a test version of quisk.py from Jim but quisk refuses to start
> >>>> with it.
> >>>> I sent Jim the error message a few days ago.
> >>>> File
> >>>>
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_windows.py",
> >>>> line 497, in __init__
> >>>> _windows_.Frame_swiginit(self,_windows_.new_Frame(*args, **kwargs))
> >>>> TypeError: Expected a 2-tuple of integers or a wxPoint object.
> >>>> using "DejaVu Sans Mono-16", pixelsize=16.67
> >>>> file=/usr/share/fonts/truetype/ttf-dejavu/DejaVuSansMono.ttf
> >>>> Server terminated successfully (0). Closing log file.
> >>>> 73 ... Sid.
> >>>>
> >>>> On 20/08/15 01:59, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>> Did you try out the experimental quisk and default conf ....
> >>>>>
> >>>>> Or did he just send it to me ....

> >>>>>
> >>>>> Iv got almost fullscreen (couple pixels -- but who cares !!)
> apon bootup ...
> >>>>>
> >>>>>
> >>>>>
> >>>>> On 08/19/2015 05:12 PM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>> I found a solution, using startx and automatically starting
> quisk then
> >>>>>> using the window manager to make it fullscreen.
> >>>>>>
> >>>>>> Still having the display problem with BitmapFromData and having
> to use
> >>>>>> Wfall then reducing the waterfall height to display only the graph.
> >>>>>>
> >>>>>> The Pi 2 with 4 CPU's can handle it all while the model B would
> probably
> >>>>>> struggle.
> >>>>>> Konsole output
> >>>>>> PID USER PR NI VIRT RES SHR S %CPU %MEM
> TIME+ COMMAND
> >>>>>> 2472 hiqsdr 20 0 89172 53m 31m R 127.9 5.8 38:15.87 python
> >>>>>>
> >>>>>>
> >>>>>> Konsole output
> >>>>>> root@hiqsdr:~# cat /home/hiqsdr/startHiQSDR
> >>>>>> #!/bin/sh
> >>>>>>
> >>>>>> export DISPLAY=:0
> >>>>>>
> >>>>>> RESULT=`pgrep quisk`
> >>>>>>
> >>>>>> if ["${RESULT:-null}" = null]; then
> >>>>>> startx &
> >>>>>> ping -i 0.1 -c 2 192.168.2.196
> >>>>>> (sleep 15s && xset -dpms; xset s off) &
> >>>>>> cd /opt/quisk-3.7.4;python quisk.py
> >>>>>> #### killall -r X
> >>>>>> #### /usr/bin/fbi -T 1 -noverbose -a /etc/splash.png
> >>>>>> sync
> >>>>>> # sudo shutdown -h now
> >>>>>> fi
> >>>>>>
> >>>>>> Konsole output
> >>>>>> root@hiqsdr:~# ps fax|grep X
> >>>>>> 22355 pts/0 S+ 0:00 _ grep --color=auto X
> >>>>>> 2483 tty1 S+ 0:00 | _ xinit /etc/X11/xinit/xinitrc --
> >>>>>> /etc/X11/xinit/xserverrc :0 -auth /tmp/serverauth.yidu9pumkf
> >>>>>> 2484 tty7 Ss+ 0:30 | _ /usr/bin/X-nolisten tcp :0

> >>>>>> -auth /tmp/serverauth.yidu9pumkf
> >>>>>> 2632 tty1 Sl 0:00 | _ /usr/bin/lxsession -s
> >>>>>> LXDE-pi -e LXDE
> >>>>>> 2657 tty1 Sl 0:02 | _ lxpanel --profile
> LXDE-pi
> >>>>>> 2659 tty1 Sl 0:00 | _ pcmanfm --desktop
> >>>>>> --profile LXDE-pi
> >>>>>> root@hiqsdr:~#
> >>>>>> 73 ... Sid.
> >>>>>>
> >>>>>> On 13/08/15 20:26, Sid Boyceg3vbv@... [n2adr-sdr]
> wrote:
> >>>>>>> Setting self.screen_height and self.screen_width in quisk.py
> to "10 //
> >>>>>>> 10" it's close, 0.4" top and bottom borders and 0.3" left and
> right
> >>>>>>> borders with just Zo truncated.
> >>>>>>> Close enough to be usable.
> >>>>>>> Konsole output
> >>>>>>> 73 ... Sid.
> >>>>>>>
> >>>>>>> On 13/08/15 19:57, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>> What I posted was just the part about the resolution.
> >>>>>>>>
> >>>>>>>> I am using LXDE and lxrandr only offers that resolution and
> it's the
> >>>>>>>> default when I installed raspbian on the Pi 2.
> >>>>>>>>
> >>>>>>>> I'll have to check the Pi model B to see what that comes up with.
> >>>>>>>>
> >>>>>>>> I am running rasdr on the Pi model B and getting a display
> covering the
> >>>>>>>> complete screen area right up to the metal surround. I
> haven't tried
> >>>>>>>> quisk on the model B.
> >>>>>>>> 73 ... Sid.
> >>>>>>>>
> >>>>>>>> On 13/08/15 18:23, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>>>>>> This is my output from xdpyinfo
> >>>>>>>>>
> >>>>>>>>> looks like alot is not needed....
> >>>>>>>>>
> >>>>>>>>> odroid@odroid:~$ xdpyinfo
> >>>>>>>>> name of display: :0.0
> >>>>>>>>> version number: 11.0
> >>>>>>>>> vendor string: The X.Org Foundation
> >>>>>>>>> vendor release number: 11501000
> >>>>>>>>> X.Org version: 1.15.1
> >>>>>>>>> maximum request size: 16777212 bytes

```
> >>>>>>>>> motion buffer size: 256
> >>>>>>>>> bitmap unit, bit order, padding: 32, LSBFirst, 32
> >>>>>>>>> image byte order: LSBFirst
> >>>>>>>>> number of supported pixmap formats: 7
> >>>>>>>>> supported pixmap formats:
> >>>>>>>>> depth 1, bits_per_pixel 1, scanline_pad 32
> >>>>>>>>> depth 4, bits_per_pixel 8, scanline_pad 32
> >>>>>>>>> depth 8, bits_per_pixel 8, scanline_pad 32
> >>>>>>>>> depth 15, bits_per_pixel 16, scanline_pad 32
> >>>>>>>>> depth 16, bits_per_pixel 16, scanline_pad 32
> >>>>>>>>> depth 24, bits_per_pixel 32, scanline_pad 32
> >>>>>>>>> depth 32, bits_per_pixel 32, scanline_pad 32
> >>>>>>>>> keycode range: minimum 8, maximum 255
> >>>>>>>>> focus: window 0x1e00137, revert to Parent
> >>>>>>>>> number of extensions: 29
> >>>>>>>>> BIG-REQUESTS
> >>>>>>>>> Composite
> >>>>>>>>> DAMAGE
> >>>>>>>>> DOUBLE-BUFFER
> >>>>>>>>> DPMS
> >>>>>>>>> DRI2
> >>>>>>>>> DRI3
> >>>>>>>>> GLX
> >>>>>>>>> Generic Event Extension
> >>>>>>>>> MIT-SCREEN-SAVER
> >>>>>>>>> MIT-SHM
> >>>>>>>>> Present
> >>>>>>>>> RANDR
> >>>>>>>>> RECORD
> >>>>>>>>> RENDER
> >>>>>>>>> SECURITY
> >>>>>>>>> SGI-GLX
> >>>>>>>>> SHAPE
> >>>>>>>>> SYNC
> >>>>>>>>> X-Resource
> >>>>>>>>> XC-MISC
> >>>>>>>>> XFIXES
> >>>>>>>>> XFree86-DGA
> >>>>>>>>> XFree86-VidModeExtension
> >>>>>>>>> XINERAMA
> >>>>>>>>> XInputExtension
> >>>>>>>>> XKEYBOARD
> >>>>>>>>> XTEST
> >>>>>>>>> XVideo
> >>>>>>>>> default screen number: 0
> >>>>>>>>> number of screens: 1
> >>>>>>>>>
> >>>>>>>>> screen #0:
> >>>>>>>>> dimensions: 1024x600 pixels (271x159 millimeters)
> >>>>>>>>> resolution: 96x96 dots per inch
```

```
> >>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
> >>>>>>>>> root window id: 0xc2
> >>>>>>>>> depth of root window: 16 planes
> >>>>>>>>> number of colormaps: minimum 1, maximum 1
> >>>>>>>>> default colormap: 0x20
> >>>>>>>>> default number of colormap cells: 64
> >>>>>>>>> preallocated pixels: black 0, white 65535
> >>>>>>>>> options: backing-store WHEN MAPPED, save-unders NO
> >>>>>>>>> largest cursor: 1024x600
> >>>>>>>>> current input event mask: 0x7a003c
> >>>>>>>>> ButtonPressMask ButtonReleaseMask EnterWindowMask
> >>>>>>>>> LeaveWindowMask StructureNotifyMask
> SubstructureNotifyMask
> >>>>>>>>> SubstructureRedirectMask FocusChangeMask PropertyChangeMask
> >>>>>>>>> number of visuals: 33
> >>>>>>>>> default visual id: 0x21
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0x21
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 8 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa2
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa3
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa4
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa5
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
```

```
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa6
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa7
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa8
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xa9
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xaa
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xab
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xac
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
```

```
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xad
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xae
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xaf
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb0
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb1
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb2
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb3
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
```

```
> >>>>>>>>> visual id: 0xb4
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb5
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb6
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb7
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb8
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xb9
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xba
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbb
```

```
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbc
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbd
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbe
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xbf
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0xc0
> >>>>>>>>> class: DirectColor
> >>>>>>>>> depth: 16 planes
> >>>>>>>>> available colormap entries: 64 per subfield
> >>>>>>>>> red, green, blue masks: 0xf800, 0x7e0, 0x1f
> >>>>>>>>> significant bits in color specification: 6 bits
> >>>>>>>>> visual:
> >>>>>>>>> visual id: 0x41
> >>>>>>>>> class: TrueColor
> >>>>>>>>> depth: 32 planes
> >>>>>>>>> available colormap entries: 256 per subfield
> >>>>>>>>> red, green, blue masks: 0xff0000, 0xff00, 0xff
> >>>>>>>>> significant bits in color specification: 8 bits
> >>>>>>>>> odroid@odroid:~$
> >>>>>>>>>
> >>>>>>>>>
```

> >>>>>>>>> On 08/13/2015 09:32 AM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>> Konsole output
> >>>>>>>>>> Hmmmmm.... This is what I get from xdpyinfo.
> >>>>>>>>>> screen #0:
> >>>>>>>>>> dimensions: 1184x624 pixels (313x165 millimeters)
> >>>>>>>>>> resolution: 96x96 dots per inch
> >>>>>>>>>> depths (7): 16, 1, 4, 8, 15, 24, 32
> >>>>>>>>>> root window id: 0xe2
> >>>>>>>>>> depth of root window: 16 planes
> >>>>>>>>>> number of colormaps: minimum 1, maximum 1
> >>>>>>>>>> default colormap: 0x20
> >>>>>>>>>> default number of colormap cells: 64
> >>>>>>>>>> preallocated pixels: black 0, white 65535
> >>>>>>>>>> options: backing-store NO, save-unders NO
> >>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>
> >>>>>>>>>> On 13/08/15 00:41, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>>> I'll have to check by running startx, opening a terminal
> and running
> >>>>>>>>>>> xdpyinfo.
> >>>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>>
> >>>>>>>>>>> On 12/08/15 16:15, MikePatriot121@... [n2adr-sdr] wrote:
> >>>>>>>>>>>> Sid .. is that what the inserted print statements
> returned ....?
> >>>>>>>>>>>>
> >>>>>>>>>>>> The specs for my display are the same as yours .... 800 X
> 480 .... but
> >>>>>>>>>>>> 1024 X 600 (returned value by print statement) seems to
> work fine ....
> >>>>>>>>>>>>
> >>>>>>>>>>>> cant for the life of me remember how to get xrandr to
> tell me the
> >>>>>>>>>>>> current resolution (ssh connection)
> >>>>>>>>>>>>
> >>>>>>>>>>>> On 08/12/2015 12:25 AM, Sid Boyceg3vbv@...
> [n2adr-sdr] wrote:
> >>>>>>>>>>>>> Hi Jim,
> >>>>>>>>>>>>> My display size of the 7" touchscreen is 800x480
> >>>>>>>>>>>>> 73 ... Sid.
> >>>>>>>>>>>>>
> >>>>>>>>>>>>> On 12/08/15 01:02,jahlstr@... [n2adr-sdr] wrote:
> >>>>>>>>>>>>>> Thanks Mike. Is your display resolution 1024 by 600?
> >>>>>>>>>>>>>>
> >>>>>>>>>>>>>>
> >>>>>>>>>>>>>> Jim
> >>>>>>>>>>>>>>
> >>> --

> >>> Mike KC7NOA
> >>>
>
>
> --
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> Senior Staff Specialist, Cricket Coach
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1668. Quisk 3.7.6

Yahoo group: n2adr-sdr
Date: 2015-09-17 12:24:42 UTC
From: jahlstr@...
Topic: 1668 Message: 1668

The PulseAudio code was completely rewritten by Eric Thornton, KM4DSJ. It now uses the asynchronous interface. This will:

1)Improve stability/performance. We can now manage latency events how we want to and prevent ever increasing latency due to CPU load or network delays. latency_millisecs in the quick_conf.py file will established the target buffer size for playback. Realtime latency for pulse audio streams is available on the config/status tab.

2)Allow connection to two different PulseAudio servers. The default connection is to the local machine for normal usage. A separate machine can be specified to pass IQ audio via the network. This is useful to utilize a Softrock or Peaberry via a raspberry pi or other remote computer. Specify IQ_Server_IP = "your.ip.here" in your quisk_conf.py to utilize this option. Be sure to set latency_millisecs to something reasonable (300 works for me over wifi). NOTE: To keep network congestion down, all modes except CW will "cork" the idle up/down IQ stream.

3)Quisk will attempt to utilize native 16 bit LE format if a PulseAudio sink is configured this way. Default fallback is Float 32. This reduces network overhead for remote IQ audio streaming while not losing resolution for any local streams that are configured as floating point.

Additional changes:
-Remote control of Softrock receivers via usbsoftrock. Add usbsr_ip_address = "your.ip.here", usbsr_port=port#, and import hardware_net.py in quick_conf.py to communicate with a usbsoftrock daemon. Start usbsoftrock on the remote machine with the -D option.

-Added a macports target to the makefile to utilize dependency libraries from macports. This option now allows use of PulseAudio on OSX.

Eric

KM4DSJ

1669. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 13:18:12 UTC
From: jahlstr@...
Topic: 1599 Message: 1669

Hi Sid,

OK, lets solve this. But I am mystified.

Both wx.BitmapFromBufferRGBA() and wx.BitmapFromBufferRGB() are part of the wx package. What happens if you use wx.BitmapFromBufferRGB()? Does it just not work, or does it give error messages? If wx.BitmapFromBufferRGB() is just missing from the ARM version, that would be surprising. But I can deal with it if necessary.

Jim
N2ADR

1670. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 13:47:31 UTC
From: Sid Boyce
Topic: 1599 Message: 1670

Hi Jim,
With BitmapFromRGBA I get no errors on STDOUT, it's only the Waterfall display that can only be adjusted by Ys between solid black and the colour display on the screenshot or Yz between solid white and the same odd colours. No signals can be seen on the Waterfall itself.

With BitmapFromBufferRGB, Graph is not displayed. With Wfall the display is the same as with RGBA and I get the following errors on STDOUT.
Konsole output
```
bmp = wx.BitmapFromBufferRGB(len(row) // 4, 1, row)
AttributeError: 'module' object has no attribute 'BitmapFromBufferRGB'
Traceback (most recent call last):
File
"/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line
14665, in <lambda>
lambda event: event.callable(*event.args, **event.kw) )
File "quisk.py", line 4415, in OnReadSound
self.screen.OnGraphData(data) # Send message
to draw new data
File "quisk.py", line 2052, in OnGraphData
self.pane2.OnGraphData(data)
File "quisk.py", line 2082, in OnGraphData
self.display.OnGraphData(data[i1:i2], self.y_zero, self.y_scale)
File "quisk.py", line 1983, in OnGraphData
bmp = wx.BitmapFromBufferRGB(len(row) // 4, 1, row)
AttributeError: 'module' object has no attribute 'BitmapFromBufferRGB'
```

73 ... Sid.

On 17/09/15 14:18, jahlstr@... [n2adr-sdr] wrote:
> Hi Sid,
>
>
> OK, lets solve this. But I am mystified.
>
> Both wx.BitmapFromBufferRGBA() and wx.BitmapFromBufferRGB() are part
> of the wx package. What happens if you use wx.BitmapFromBufferRGB()?
> Does it just not work, or does it give error messages?
> If wx.BitmapFromBufferRGB() is just missing from the ARM version,
> that would be surprising. But I can deal with it if necessary.
>
> Jim
> N2ADR
>

--
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1671. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 14:00:29 UTC
From: Sid Boyce
Topic: 1599 Message: 1671

Konsole output
It seems BitmapFromBufferRGB is missing.

root@odroidu3:/opt/quisk-3.7.6# dpkg -S
/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py
python-wxgtk2.8:
/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py

Konsole output
root@odroidu3:/opt/quisk-3.7.6# dpkg -L python-wxgtk2.8|grep Bitmap
/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wxPython/lib/PythonBitmaps.py

/usr/share/python-wxgtk2.8/XRCed/plugins/bitmaps/wxStaticBitmap.png
/usr/share/python-wxgtk2.8/XRCed/plugins/bitmaps/wxBitmapButton.png
73 ... Sid.

On 17/09/15 14:18, jahlstr@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> OK, lets solve this. But I am mystified.
>
> Both wx.BitmapFromBufferRGBA() and wx.BitmapFromBufferRGB() are part
> of the wx package. What happens if you use wx.BitmapFromBufferRGB()?
> Does it just not work, or does it give error messages?
> If wx.BitmapFromBufferRGB() is just missing from the ARM version,
> that would be surprising. But I can deal with it if necessary.
>
> Jim
> N2ADR
>

--
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1672. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 13:59:55 UTC
From: jahlstr@...
Topic: 1599 Message: 1672

Hello Sid,

I'm sorry, I messed up. There is no BitmapFromBufferRGB(). The correct spelling is BitmapFromBuffer().

If you use BitmapFromBuffer() what happens? Do you get error messages like the ones you got before? If so, then BitmapFromBuffer() is somehow missing.

Jim
N2ADR

1673. RE: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 14:35:13 UTC
From: MIKE DURKIN
Topic: 1599 Message: 1673

from memory .. that's the default configuration ....

and on Arm the spectrum(graph) does not work that way ....

On my system the i cant remember if the waterfall works with BitmapFromBuffer() --

Ill double check if Sid does not respond in a few hours ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 17 Sep 2015 06:59:55 -0700
Subject: Re: [n2adr-sdr] Quisk version 3.7.4

Hello Sid,

I'm sorry, I messed up. There is no BitmapFromBufferRGB(). The correct spelling is BitmapFromBuffer().
If you use BitmapFromBuffer() what happens? Do you get error messages like the ones you got before? If so, then BitmapFromBuffer() is somehow missing.
JimN2ADR

1674. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 20:47:31 UTC
From: Sid Boyce
Topic: 1599 Message: 1674

Hi Jim,
with BitmapFromBuffer() there is no Graph spectrum display. On Wfall the Graph spectrum display is there but the waterfall is a solid black rectangle, Ys and Yz have no effect.
73 ... Sid.

On 17/09/15 14:59, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>
> I'm sorry, I messed up. There is no BitmapFromBufferRGB(). The
> correct spelling is BitmapFromBuffer().
>
> If you use BitmapFromBuffer() what happens? Do you get error messages
> like the ones you got before? If so, then BitmapFromBuffer() is
> somehow missing.
>
> Jim
> N2ADR
>

--
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1675. RE: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 20:48:28 UTC
From: jahlstr@...
Topic: 1599 Message: 1675

Hello Sid and Mike,

Please find OnGraphData() in quisk.py and replace it with this. It is at lines 1969 to 1988 in Quisk 3.7.6:

```
def OnGraphData(self, data, y_zero, y_scale):
sample_rate = int(self.sample_rate * self.zoom)
#T('graph start')
row = '' # Make a new row of pixels for a one-line image
gain = self.rf_gain
for x in data: # x is -130 to 0, or so (dB)
l = int((x - gain + y_zero // 3 + 100) * y_scale / 10)
l = max(l, 0)
l = min(l, 255)
row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]), chr(self.blue[l]),
chr(255))
#T('graph string')
# Perhaps use 4-byte pixels and BitmapFromBufferRGBA()
bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
bmp.x_origin = int(float(self.VFO) / sample_rate * self.data_width + 0.5)
self.bitmaps.insert(0, bmp)
del self.bitmaps[-1]
#self.ScrollWindow(0, 1, None)
#self.Refresh(False, (0, 0, self.graph_width, self.top_size + self.margin))
self.Refresh(False)
#T('graph end')
```

This is the whole function, but only two lines have changed:

```
row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]), chr(self.blue[l]),
chr(255))

bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
```

If it works I will move it to Quisk.

Jim
N2ADR

1676. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 20:51:46 UTC
From: Sid Boyce
Topic: 1599 Message: 1676

Correct Mike,
It's the same on ODROID-U3 with Ubuntu ARM and Raspberry Pi 2 with Raspbian.
73 ... Sid.

On 17/09/15 15:35, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> from memory .. that's the default configuration ....
>
> and on Arm the spectrum(graph) does not work that way ....
>
> On my system the i cant remember if the waterfall works with
> BitmapFromBuffer() --
>
> Ill double check if Sid does not respond in a few hours ....
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 17 Sep 2015 06:59:55 -0700
> Subject: Re: [n2adr-sdr] Quisk version 3.7.4
>
> Hello Sid,
>
> I'm sorry, I messed up. There is no BitmapFromBufferRGB(). The
> correct spelling is BitmapFromBuffer().
>
> If you use BitmapFromBuffer() what happens? Do you get error messages
> like the ones you got before? If so, then BitmapFromBuffer() is
> somehow missing.
>
> Jim
> N2ADR
>
>

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1677. Re: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-17 21:32:12 UTC
From: Sid Boyce
Topic: 1599 Message: 1677
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,
That did it thanks.
Screenshot from the ODROID-U3.
73 ... Sid.

On 17/09/15 21:48, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid and Mike,
>
>
> Please find OnGraphData() in quisk.py and replace it with this. It is
> at lines 1969 to 1988 in Quisk 3.7.6:
>
> def OnGraphData(self, data, y_zero, y_scale):
> sample_rate = int(self.sample_rate * self.zoom)
> #T('graph start')
> row = ''# Make a new row of pixels for a one-line image
> gain = self.rf_gain
> for x in data:# x is -130 to 0, or so (dB)
> l = int((x - gain + y_zero // 3 + 100) * y_scale / 10)
> l = max(l, 0)
> l = min(l, 255)
> row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]),
> chr(self.blue[l]), chr(255))
> #T('graph string')
> # Perhaps use 4-byte pixels and BitmapFromBufferRGBA()
> bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
> bmp.x_origin = int(float(self.VFO) / sample_rate * self.data_width
> + 0.5)
> self.bitmaps.insert(0, bmp)
> del self.bitmaps[-1]
> #self.ScrollWindow(0, 1, None)
> #self.Refresh(False, (0, 0, self.graph_width, self.top_size +
> self.margin))
> self.Refresh(False)
> #T('graph end')
>
> This is the whole function, but only two lines have changed:
>
> row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]),
> chr(self.blue[l]), chr(255))
>
> bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
>

> If it works I will move it to Quisk.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1678. FW: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-18 05:15:17 UTC
From: MIKE DURKIN
Topic: 1678 Message: 1678
Attachments: 1 described; binary payloads are missing from this source WARC

had to forward from/to the SDR ....

Looking good .... now for a Tone squelch ? ---

but in all honesty ... im super happy repeater offset is working for VHF/UHF repeaters ....

Date: Thu, 17 Sep 2015 22:10:12 -0700
Subject: Re: FW: [n2adr-sdr] Quisk version 3.7.4
From: kc7noa@...
To: patriot121@...

looks good
On Thu, Sep 17, 2015 at 9:38 PM, MIKE DURKIN <patriot121@...> wrote:

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 17 Sep 2015 13:48:28 -0700
Subject: RE: [n2adr-sdr] Quisk version 3.7.4

Hello Sid and Mike,

Please find OnGraphData() in quisk.py and replace it with this. It is at lines 1969 to 1988 in Quisk 3.7.6:
def OnGraphData(self, data, y_zero, y_scale): sample_rate = int(self.sample_rate * self.zoom) #T('graph start') row = '' # Make a new row of pixels for a one-line image gain = self.rf_gain for x in data: # x is -130 to 0, or so (dB) l = int((x - gain + y_zero // 3 + 100) * y_scale / 10) l = max(l, 0) l = min(l, 255) row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]), chr(self.blue[l]), chr(255)) #T('graph string') # Perhaps use 4-byte pixels and BitmapFromBufferRGBA() bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row) bmp.x_origin = int(float(self.VFO) / sample_rate * self.data_width + 0.5) self.bitmaps.insert(0, bmp) del self.bitmaps[-1] #self.ScrollWindow(0, 1, None) #self.Refresh(False, (0, 0, self.graph_width, self.top_size + self.margin)) self.Refresh(False) #T('graph end')
This is the whole function, but only two lines have changed:
row = row + "%c%c%c%c" % (chr(self.red[l]), chr(self.green[l]), chr(self.blue[l]), chr(255))

bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)

If it works I will move it to Quisk.
JimN2ADR

1679. Re: FW: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-18 12:06:11 UTC
From: jahlstr@...
Topic: 1678 Message: 1679

Great Mike. I am glad it is working.

What is Tone squelch?

Jim
N2ADR

1680. RE: [n2adr-sdr] Quisk version 3.7.4

Yahoo group: n2adr-sdr
Date: 2015-09-18 14:18:52 UTC
From: MIKE DURKIN
Topic: 1678 Message: 1680

Just trying to spark some thought on the issue .. though minor ...

When on FM and talking to some one or listening to a conversation, i usually turn off the squelch ...

I have seen that when i set the squelch just above the noise floor that a carrier that's 50db over the noise does not keep the squelch open (that's centred on that marker line).

tone squelch is another name for ctcss but used to open the receivers squelch (with a delay) rather than to get the repeater to transmit ....

In my screen shot you can see a tone being transmitted by the repeater with the persons voice ... and he has alot of deviation ... not clipping the repeaters filters ... but i think its close hi hi !!!

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 18 Sep 2015 05:06:11 -0700
Subject: Re: FW: [n2adr-sdr] Quisk version 3.7.4

Great Mike. I am glad it is working.

What is Tone squelch?
JimN2ADR

1681. error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 09:08:00 UTC
From: michael.hartje@...
Topic: 1681 Message: 1681

I use the LINUX-Version of quisk.

When I use quisk with a usb softrock hardware with a "pulse:usb device" as a sound capture, this results into is a very long string shown at the bottom of the quisk window. This string is very much longer than the original window size. So the left part of the main quisk window is resized a little but not enough. The string is truncated - but not enough.

And the second half part of the buttons (modes, bandwidth, config ...) is not shown -- placed at the right border and outside of the quisk main window.

The use of quisk is impossible with this pulse:device!!!!

I tried to find the setup of the info string it in the sources -- but had no success.

Does anybody know of this problem and know ot a solution for this?

The solution could be: truncate the displayed string to 15 significant characters only to identify the sound card out of the list in the config dialog.

A trivial work around is not to use pulse but alsa -- then the displayed string is very short.

Any other hints to use the program quisk with the directive
sound_capture = "pulse:USB"
is welcome.

I tried this with Qusik versions 3.6.18,19,21,22 and 3.7.4,6 -- all the same result with sound capture from USB with softrock derivate

Thanks

vy 73
Michael, DK5HH

1682. Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 09:21:19 UTC
From: dh5ym@...
Topic: 1681 Message: 1682

Hi Michael,

is this what you mean ?

https://groups.yahoo.com/neo/groups/n2adr-sdr/photos/photostream/lightbox/161618426?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/161618426 https://groups.yahoo.com/neo/groups/n2adr-sdr/photos/photostream/lightbox/161618426?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/161618426
In this screenshot it seems to work well. So maybe the problem is not related to the string in the display but to some other issue with pulse or the soundcard itself.

Since the pulse code changed from 3.7.4 to 3.7.6 and the soundcard works with access from alsa directly i would assume that pulse has a problem with this usb soundcard.

Do you see any samples coming in from the soundcard in the config dialog if you use pulse ?
Is there any special reason to use pulse for the sample input ?

regards
Mario

1683. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 12:38:02 UTC
From: Eric Thornton
Topic: 1681 Message: 1683

Michael,

Can you post the output of "pacmd list-sinks" and "pacmd list-sources" from
the command line?

Also, a screenshot would help or at least what the long string is. What
type of usb sound card is it? Pulse name strings are usually somewhat long
anyway, but it world help to know the exact string.

Locate the source and sink you want to use, and type in pulse:full-name and
see if that works.

Eric
KM4DSJ
On Sep 24, 2015 5:21 AM, "dh5ym@yahoo.co.uk [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi Michael,
>
> is this what you mean ?
>
>
> https://groups.yahoo.com/neo/groups/n2adr-sdr/photos/photostream/lightbox/161618426?orde
rBy=mtime&sortOrder=desc&photoFilter=ALL#zax/161618426
>
>
> In this screenshot it seems to work well. So maybe the problem is not
> related to the string in the display but to some other issue with pulse or
> the soundcard itself.
>
> Since the pulse code changed from 3.7.4 to 3.7.6 and the soundcard works
> with access from alsa directly i would assume that pulse has a problem with
> this usb soundcard.
>
> Do you see any samples coming in from the soundcard in the config dialog
> if you use pulse ?
> Is there any special reason to use pulse for the sample input ?
>
>
> regards
> Mario
>
>

1684. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 13:18:35 UTC
From: michael.hartje@...
Topic: 1681 Message: 1684
Attachments: 3 described; binary payloads are missing from this source WARC

Thanks for the fast reply to Mario and Eric.

here is the screen shot and the two files pacmd list sinks and pacmd list sources

have a look on the screen shot and you will see: not usable!

Thanks for reading and thinking about this problem

vy 73
Michael
DK5HH

1685. Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 13:38:47 UTC
From: michael.hartje@...
Topic: 1681 Message: 1685

Thanks to Mario,

the pulse input is working and produces samples as well as sound, but as you can see in the screenshot, the program window of qusik is unusable.

pulse is updated interface in 3.7.6, as you mentioned. And most distributions (linux) use pulse at the default sound system. -- so does mine (elder linux mint, debian with cubieboard (1+2) and raspi (1 a + b), opensuse 13.2

This is also needed, when you want to use quisk with fldigi or with remote softrock -- as I found out.

Operation with fldigi can also be done via a special configuration with alsa -- approved here. the remote feature is under construction (configuration is not ready)

Hope, this answers your questions.

vy 73

Michael
DK5HH

1686. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 14:24:19 UTC
From: Eric Thornton
Topic: 1681 Message: 1686

Michael,

Ok. This is good news and means the audio system is working as intended, we just need to fix the screen issue or truncate the information widget. The pulseaudio name looks valid and correct, just the vendor id is long.

I can look at the python code later tonight and see if there is a way to truncate it. If anyone else knows if a way to predetermine the window size, that may be a temporary workaround.

Eric
On Sep 24, 2015 9:38 AM, "michael.hartje@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Thanks to Mario,
>
> the pulse input is working and produces samples as well as sound, but as
> you can see in the screenshot, the program window of qusik is unusable.
>
> pulse is updated interface in 3.7.6, as you mentioned. And most
> distributions (linux) use pulse at the default sound system. -- so does
> mine (elder linux mint, debian with cubieboard (1+2) and raspi (1 a + b),
> opensuse 13.2
>
> This is also needed, when you want to use quisk with fldigi or with remote
> softrock -- as I found out.
>
> Operation with fldigi can also be done via a special configuration with
> alsa -- approved here. the remote feature is under construction
> (configuration is not ready)
>
> Hope, this answers your questions.
>
> vy 73
>
> Michael
> DK5HH
>
>

1687. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 16:50:59 UTC
From: michael.hartje@...
Topic: 1681 Message: 1687

Hello Eric,

thanks for evaluating my data of the sound system.

I am awaiting very interested your come back from the diving into the code.

I myself tried several changes in quisk.py and in quisk_widgets.py as well as in the softrock/widgets_tx.py with some reactions, but not the expected harmless truncation ;-)

So hopefully you have a better knowledge of the code structure than I.

thanks

vy 73 and success diving into the py-code

Michael
DK5HH

1688. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 20:28:24 UTC
From: Sid Boyce
Topic: 1681 Message: 1688

Looks like a display type problem.

With those platforms you have to change quisk.py, certainly on the Pi. I have had to do this for the
Pi 2, ODROID-C1 and -U3 with 7 inch HDMI touchscreens and a 22 inch HDMI monitor.
Konsole output

```
row = row + "%c%c%c%c"% (chr(self.red[l]), chr(self.green[l]),
chr(self.blue[l]), chr(255))
#T('graph string')
# Perhaps use 4-byte pixels and BitmapFromBufferRGBA()
bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row)
```

Lines changed "row =" and "bmp = wx.BitmapFromBuffer"

Though you obviously have no problem with audio or IQ volumes being low, should you ever have, adjust with pavucontrol.
73 ... Sid.

On 24/09/15 17:50, michael.hartje@... [n2adr-sdr] wrote:
> Hello Eric,
>
> thanks for evaluating my data of the sound system.
>
> I am awaiting very interested your come back from the diving into the
> code.
>
> I myself tried several changes in quisk.py and in quisk_widgets.py as
> well as in the softrock/widgets_tx.py with some reactions, but not the
> expected harmless truncation ;-)
>
> So hopefully you have a better knowledge of the code structure than I.
>
> thanks
>
> vy 73 and success diving into the py-code
>
> Michael
> DK5HH
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1689. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-24 20:53:15 UTC
From: michael.hartje@...
Topic: 1681 Message: 1689

Hello Sid,

thanks for your input.

The screenshot was made on an old laptop 1024x768 (i386) -- a dell x300.

but is is the same result on opensuse 13.2 with 27'' 1920x1280.
My results were on all platforms and with all different screens very similar.

Your code lines are very welcome to me, but I can not interpret where to put them; what is v3.7.6 and what is your change / proposal.

are you able 8have the time) to give some better advice how to use your proposals and what can be expected with regard to the abbreviation of the of info string in the box at the bottom of of the main window?

thanks
vy73

Michael
DK5HH

1690. example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-25 09:48:28 UTC
From: michael.hartje@...
Topic: 1690 Message: 1690

Dear List,

I am interested in some more advices for a configuration with a softrock (simple TRX with soundcard as A/D D/A IQ-sampler)

I found several different opportunities for different hardware in the quisk_conf_default.py

1. SDR-IQ
2. N2ADR HPSDR
3. Hermes lite

4. different concepts of rx_upd, radio_sound_ip

so for me there comes up some questions, when I want a setup with a simple headless (ARM-System with Linux) as a remote controlled softrock TRX-controller where the antenna cable ends, which can be used comfortable at other places in the LAN area with quisk.

I know of usbsoftrock -D or rigctld -m 2509, which can control the (softrock) TRX, when started on the remote station.
I think -- not tested -- there is a simple config available in quisk to use this remote system setup.

My questions are headed on the use of the IQ-Samples-Transfer.

The easiest way on the remote station could be done with netcat daemon/server in a pipe:
arecord ..... | nc -u ......
and vice versa for the IQ-Samples for TX-Path

But: how to get these samples into quisk on the client side? (out of quisk)

Are there other concepts realized in quisk, which can be used for such a simple remote setup?

Has anybody done an example configuration or documented setup of this system?

Thanks for reading and thinking about

vy 73

Michael
DK5HH

1691. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-25 10:50:13 UTC
From: Eric Thornton
Topic: 1690 Message: 1691

Michael,

I am using a soft rock with a headless raspberry pi in my setup. This is the exact reason I rewrote the pulseaudio backend that is in version 3.7.6. Take a look at the instructions I wrote below for using a raspberry pi. I am using a Wolfson Pi sound card, but a USB sound card can also be used (they are limited in sample resolution though).

Look over what I wrote below and let me know if you have any questions.The walkthrough is mostly up-to-date.

https://km4dsj.wordpress.com

On Fri, Sep 25, 2015 at 5:48 AM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Dear List,
>
> I am interested in some more advices for a configuration with a softrock
> (simple TRX with soundcard as A/D D/A IQ-sampler)
>
>
> I found several different opportunities for different hardware in the
> quisk_conf_default.py
>
> 1. SDR-IQ
>
> 2. N2ADR HPSDR
>
> 3. Hermes lite
>
> 4. different concepts of rx_upd, radio_sound_ip
>
>
> so for me there comes up some questions, when I want a setup with a simple
> headless (ARM-System with Linux) as a remote controlled softrock
> TRX-controller where the antenna cable ends, which can be used comfortable
> at other places in the LAN area with quisk.
>
>
> I know of usbsoftrock -D or rigctld -m 2509, which can control the
> (softrock) TRX, when started on the remote station.
>

> I think -- not tested -- there is a simple config available in quisk to
> use this remote system setup.
>
>
> My questions are headed on the use of the IQ-Samples-Transfer.
>
>
> The easiest way on the remote station could be done with netcat
> daemon/server in a pipe:
>
> arecord ..... | nc -u ......
>
> and vice versa for the IQ-Samples for TX-Path
>
>
> But: how to get these samples into quisk on the client side? (out of quisk)
>
>
> Are there other concepts realized in quisk, which can be used for such a
> simple remote setup?
>
>
> Has anybody done an example configuration or documented setup of this
> system?
>
>
> Thanks for reading and thinking about
>
>
> vy 73
>
> Michael
>
> DK5HH
>
>
>

1692. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-25 11:47:51 UTC
From: Sid Boyce
Topic: 1681 Message: 1692
Attachments: 1 described; binary payloads are missing from this source WARC

I would have thought the old laptop would have been OK without the patch
but you can try it, likewise for openSUSE.

I have 3 openSUSE x86_64 boxes and 2 Kubuntu x86_64 boxes without the
patch.
ODROID-C1, ODROID-U3 both with Xubuntu and Pi model B/Pi2 with Raspbian
Wheezy with the patch.

Move quisk.diff.gz into the quisk-3.7.6 directory.
"gzip -d quisk.diff.gz" to get quisk.diff, apply the patch as shown
below. It should apply cleanly.

Konsole output
quisk-3.7.6 #patch -p1 < quisk.diff
patching file quisk.py
quisk-3.7.6 # python quisk.py
Should be AOK.
73 ... Sid.

On 24/09/15 21:53, michael.hartje@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
> thanks for your input.
>
> The screenshot was made on an old laptop 1024x768 (i386) -- a dell x300.
>
> but is is the same result on opensuse 13.2 with 27'' 1920x1280.
> My results were on all platforms and with all different screens very
> similar.
>
> Your code lines are very welcome to me, but I can not interpret where
> to put them; what is v3.7.6 and what is your change / proposal.
>
> are you able 8have the time) to give some better advice how to use
> your proposals and what can be expected with regard to the
> abbreviation of the of info string in the box at the bottom of of the
> main window?
>
> thanks
> vy73
>
> Michael
> DK5HH

>
>

--
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1693. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-25 12:23:06 UTC
From: Sid Boyce
Topic: 1690 Message: 1693

Hi Eric,
Good stuff.

Check out ghpsdr3-alex at http://napan.ca/ghpsdr3/index.php/Main_Page

Currently it supports HPSDR, Softrock, UHFSDR, Microtelecom Perseus,
SDR-iq, HiQSDR, Ettus Research USRP and rtl-sdr
<http://napan.ca/ghpsdr3/index.php/RTL-SDR> DVB-T dongles.

You can see some of the gear that's up
http://qtradio.napan.ca/qtradio/qtradio.pl

Using QtRadio they are all accessible over the internet and if they are
launched as shared they can be tuned if you are Master (the first one
on) or listen if you are only a slave connection.

e.g softrock is the server that talks to the radio, dspserver puts the
radio on the internet and QtRadio on a PC or glSDR from Google Play
store on Android tablets or phones for access.

TX over the LAN or the internet is controlled by ID and password set in
~/dspserver.conf and QtRadio or glSDR.
73 ... Sid.

On 25/09/15 11:50, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> Michael,
>
> I am using a soft rock with a headless raspberry pi in my setup. This
> is the exact reason I rewrote the pulseaudio backend that is in
> version 3.7.6. Take a look at the instructions I wrote below for using
> a raspberry pi. I am using a Wolfson Pi sound card, but a USB sound
> card can also be used (they are limited in sample resolution though).
>
> Look over what I wrote below and let me know if you have any
> questions.The walkthrough is mostly up-to-date.
>
> https://km4dsj.wordpress.com
>
> On Fri, Sep 25, 2015 at 5:48 AM, michael.hartje@...
> <mailto:michael.hartje@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Dear List,

>
> I am interested in some more advices for a configuration with a
> softrock (simple TRX with soundcard as A/D D/A IQ-sampler)
>
>
> I found several different opportunities for different hardware in
> the quisk_conf_default.py
>
> 1. SDR-IQ
>
> 2. N2ADR HPSDR
>
> 3. Hermes lite
>
> 4. different concepts of rx_upd, radio_sound_ip
>
>
> so for me there comes up some questions, when I want a setup with
> a simple headless (ARM-System with Linux) as a remote controlled
> softrock TRX-controller where the antenna cable ends, which can be
> used comfortable at other places in the LAN area with quisk.
>
>
> I know of usbsoftrock -D or rigctld -m 2509, which can control the
> (softrock) TRX, when started on the remote station.
>
> I think -- not tested -- there is a simple config available in
> quisk to use this remote system setup.
>
>
> My questions are headed? on the use of the IQ-Samples-Transfer.
>
>
> The easiest way on the remote station could be done with netcat
> daemon/server in a pipe:
>
> arecord ..... | nc -u ......
>
> and vice versa for the IQ-Samples for TX-Path
>
>
> But: how to get these samples into quisk on the client side? (out
> of quisk)
>
>
> Are there other concepts realized in quisk, which can be used for
> such a simple remote setup?
>
>
> Has anybody done an example configuration or documented setup of

> this system?
>
>
> Thanks for reading and thinking about
>
>
> vy 73
>
> Michael
>
> DK5HH
>
>
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1694. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-25 13:40:52 UTC
From: michael.hartje@...
Topic: 1690 Message: 1694

Thanks for the good documented example -- that is what I hoped to find by.

I have 1 question and a remark
1. Question
You explained 3 methods for pulseaudio network transfer. The first "direct" mode showed a bug, which is overloaded by your additions to quisk. I think that 3.7.6 has included this enhancement. so your mentioned Step 9 is not needed anymore?

From the summary I expect that the "direct" mode produces the lowest network traffic; so I will try to use this mode.
And I hope this is working...

my remark is on the line starting with "Modify /etc/pulse/default.conf on the rpi ..."

It should be /etc/pulse/daemon.conf on the server(rpi) - the default.conf does not exist...
Am I right?

1695. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-25 15:22:31 UTC
From: michael.hartje@...
Topic: 1681 Message: 1695
Attachments: 1 described; binary payloads are missing from this source WARC

hello Sid,

thank You for the patch file.

I applied it to quisk.py (version 3.7.6)

The results are not as expected. (no change to former state - see attached file)
Sorry to report this....

any further idea to truncate the log string?
is it this lines where the info box is formed?
should we reduce the string before calling this line?

vy 73
Michael
DK5HH

1696. RE: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-09-25 16:43:53 UTC
From: MIKE DURKIN
Topic: 1681 Message: 1696

Im quite shaky with sound system names ....

Did you try just

sound_capture="pulse" with out the USB, and use pavucontrol to point to the stream you want?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 25 Sep 2015 08:22:31 -0700
Subject: Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen [1 Attachment]

hello Sid,

thank You for the patch file.

I applied it to quisk.py (version 3.7.6)

The results are not as expected. (no change to former state - see attached file)
Sorry to report this....

any further idea to truncate the log string?
is it this lines where the info box is formed?
should we reduce the string before calling this line?

vy 73
Michael
DK5HH

1697. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-25 18:00:43 UTC
From: Eric Thornton
Topic: 1690 Message: 1697

Michael,

Apparently I do need to update the page as you correctly identified those issues.

Yes, with version 3.7.6, you can use the direct mode simply by supplying the IQ_Server_IP variable. With the code changes, the bug that resulted in distorted audio is fixed.

You are also correct that step 9 is no longer needed with 3.7.6 as long as you have a 32 bit system.

default.pa and daemon.conf ate the two pulseaudio files to modify in /etc/pulse.

Eric
KM4DSJ
On Sep 25, 2015 9:40 AM, "michael.hartje@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Thanks for the good documented example -- that is what I hoped to find by.

I have 1 question and a remark
1. Question
You explained 3 methods for pulseaudio network transfer. The first "direct" mode showed a bug, which is overloaded by your additions to quisk. I think that 3.7.6 has included this enhancement. so your mentioned Step 9 is not needed anymore?

From the summary I expect that the "direct" mode produces the lowest network traffic; so I will try to use this mode.
And I hope this is working...

my remark is on the line starting with "Modify /etc/pulse/default.conf on the rpi ..."

It should be /etc/pulse/daemon.conf on the server(rpi) - the default.conf does not exist...
Am I right?

1698. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-09-25 22:39:23 UTC
From: Sid Boyce
Topic: 1681 Message: 1698

```
Konsole output
Perhaps the names can be truncated as shown.
Suggest trying some others for name_of_sound_capt.
root@odroidu3:/opt/quisk-3.7.6# grep pulse quisk_conf_defaults.py
# For PulseAudio devices, use the name "pulse:name" and connect the streams
# to your hardware devices using a PulseAudio control program. The name
"pulse"
# Use the default pulsedevice for radio sound:
#name_of_sound_play = "pulse"
#name_of_sound_play =
"pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
#name_of_sound_play = "pulse:alsa_output.usb"
#name_of_sound_play = "pulse:CM106"
show_pulse_audio_devices = True

This last line above when included doesn't seem to do anything different
in my setup for Hermes/Hermes-Lite and HiQSDR which only use sound cards
for Mic/Speakers. With or without Config --> Sound shows both alsa and
pulseaudio card names.
73 ... Sid.

On 25/09/15 16:22, michael.hartje@... [n2adr-sdr] wrote:
>
> hello Sid,
>
> thank You for the patch file.
>
> I applied it to quisk.py (version 3.7.6)
>
> The results are not as expected. (no change to former state - see
> attached file)
> Sorry to report this....
>
> any further idea to truncate the log string?
> is it this lines where the info box is formed?
> should we reduce the string before calling this line?
>
> vy 73
> Michael
> DK5HH
>
>
```

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1699. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-26 01:38:48 UTC
From: jahlstr@...
Topic: 1681 Message: 1699

Hello Michael,

Please find the file softrock/widgets_tx.py and change the last line from:

```
gbs.Add(self.info_text, (4, 0), (1, 14), flag=wx.EXPAND)
```

to

```
gbs.Add(self.info_text, (4, 0), (1, 27), flag=wx.EXPAND)
```

The only change is to replace "14" with "27". This will make the line at the bottom of the screen wider and may be enough to accommodate the text. If not, please reply, and I can suggest another change.

Jim
N2ADR

1700. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-26 03:58:26 UTC
From: michael.hartje@...
Topic: 1690 Message: 1700
Attachments: 4 described; binary payloads are missing from this source WARC

Hello Eric,

I need some assistance to bring the system up.

All steps are done, but I have an additional step to do, to fetch the the audio devices on the quisk-stn (client). (with paprefs on the client I have to activate the network access --> find pulseaudio-devices)
And I have to activate in the /etc/pulse/default.pa (on the server)
load-module module-native-protocol-tcp auth-ip-acl=127.0.0.1;192.168.0.0/16 auth-anonymous=1
load-module module-zeroconf-publish
when missing the line ...zero-conf... there was no access (not listed) to the remote audio devices on the client.

The server "X300" (softrock-stn) has the IP 192.168.51.70
you find the output of pacmd list-sources and list-sinks on the client-stn attached, as well as the X300-lima_conf.py and the screen shot of the messages from start quisk start_quisk.log. The log shows, that the usbsoftrock seems to communicate. Quisk shows the main window and closes this window immediatly after start. (something must be wrong) --> see start_quisk.log

There is a difference to your quisk_conf.py in the remote devices: mine have additional "tunnel"

The question is:
1 is tunnel the sign for your third transfer model "native tunnel"?
2. how can I access the "direct" mode? (--> see at list-sources) ?

I fear this could be too complicated for a remote analysis - but I give it a try.

thanks in advance

Michael
DK5HH

1701. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)? [4 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-09-26 13:51:25 UTC
From: Eric Thornton
Topic: 1690 Message: 1701

Michael,

See reply below.

On Fri, Sep 25, 2015 at 11:58 PM, michael.hartje@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello Eric,
>
> I need some assistance to bring the system up.
>
> All steps are done, but I have an additional step to do, to fetch the the
> audio devices on the quisk-stn (client). (with paprefs on the client I have
> to activate the network access --> find pulseaudio-devices)
> And I have to activate in the /etc/pulse/default.pa (on the server)
> load-module module-native-protocol-tcp auth-ip-acl=127.0.0.1;
> 192.168.0.0/16 auth-anonymous=1
> load-module module-zeroconf-publish
> when missing the line ...zero-conf... there was no access (not listed) to
> the remote audio devices on the client.
>
Don't worry about that. With the direct mode, all you need to do is supply
quick with the IQ_Server_IP="xxx.xxx.xxx.xxx" variable in your
.quisk_conf.py file and it will find the server. No need for the
"module-zeroconf-publish" line. That is only needed for using "paprefs" to
enable the tunnel mode. I'm sorry for the confusion. I will simply my
instructions since Quisk now has the necessary changes to not worry about
tunnels.

>
> The server "X300" (softrock-stn) has the IP 192.168.51.70
> you find the output of pacmd list-sources and list-sinks on the client-stn
> attached, as well as the X300-lima_conf.py and the screen shot of the
> messages from start quisk start_quisk.log. The log shows, that the
> usbsoftrock seems to communicate. Quisk shows the main window and closes
> this window immediatly after start. (something must be wrong) --> see
> start_quisk.log
>
> There is a difference to your quisk_conf.py in the remote devices: mine
> have additional "tunnel"
>
> The question is:
> 1 is tunnel the sign for your third transfer model "native tunnel"?

> 2. how can I access the "direct" mode? (--> see at list-sources) ?
>
Try this change:

name_of_sound_capt =
"pulse:alsa_input.usb-VIA_Technologies_Inc._VIA_USB_Dongle-00-Dongle.analog-stereo"

name_of_mic_play =
"pulse:alsa_output.usb-VIA_Technologies_Inc._VIA_USB_Dongle-00-Dongle.analog-stereo"

> I fear this could be too complicated for a remote analysis - but I give it
> a try.
>
No, we're close. Don't give up!

>
> thanks in advance
>
> Michael
> DK5HH
>
>

1702. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-26 20:40:45 UTC
From: Sid Boyce
Topic: 1690 Message: 1702

name_of_sound_play and microphone_name can be one sound card -
Mic/Speakers connection.

name_of_sound_capt and name_of_mic_play -- is the card connected to the
Softrock Line In and Line Out. It has to be a different sound card.
73 ...Sid.

On 26/09/15 14:51, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> Michael,
>
> See reply below.
>
> On Fri, Sep 25, 2015 at 11:58 PM, michael.hartje@...
> <mailto:michael.hartje@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Hello Eric,
>
> I need some assistance to bring the system up.
>
> All steps are done, but I have an additional step to do, to fetch
> the the audio devices on the quisk-stn (client). (with paprefs on
> the client I have to activate the network access --> find
> pulseaudio-devices)
> And I have to activate in the /etc/pulse/default.pa
> <http://default.pa> (on the server)
> load-module module-native-protocol-tcp
> auth-ip-acl=127.0.0.1;192.168.0.0/16 <http://192.168.0.0/16>
> auth-anonymous=1
> load-module module-zeroconf-publish
> when missing the line ...zero-conf... there was no access (not
> listed) to the remote audio devices on the client.
>
> Don't worry about that. With the direct mode, all you need to do is
> supply quick with the IQ_Server_IP="xxx.xxx.xxx.xxx" variable in your
> .quisk_conf.py file and it will find the server. No need for the
> "module-zeroconf-publish" line. That is only needed for using
> "paprefs" ? to enable the tunnel mode.? I'm sorry for the confusion.
> I will simply my instructions since Quisk now has the necessary
> changes to not worry about tunnels.
>
>

> The server "X300" (softrock-stn) has the IP 192.168.51.70
> you find the output of pacmd list-sources and list-sinks on the
> client-stn attached, as well as the X300-lima_conf.py and the
> screen shot of the messages from start quisk start_quisk.log. The
> log shows, that the usbsoftrock seems to communicate. Quisk shows
> the main window and closes this window immediatly after start.
> (something must be wrong) --> see start_quisk.log
>
> There is a difference to your quisk_conf.py in the remote devices:
> mine have additional "tunnel"
>
> The question is:
> 1 is tunnel the sign for your third transfer model "native tunnel"?
> 2. how can I access the "direct" mode? (--> see at list-sources) ?
>
> Try this change:
>
> name_of_sound_capt =
> "pulse:alsa_input.usb-VIA_Technologies_Inc._VIA_USB_Dongle-00-Dongle.analog-stereo"
>
> name_of_mic_play =
> "pulse:alsa_output.usb-VIA_Technologies_Inc._VIA_USB_Dongle-00-Dongle.analog-stereo"
>
>
>
> I fear this could be too complicated for a remote analysis - but I
> give it a try.
>
> No, we're close. Don't give up!?
>
>
> thanks in advance
>
> Michael
> DK5HH
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1703. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-26 23:14:13 UTC
From: rainerfeldkamp@...
Topic: 1681 Message: 1703

Hello Jim,

This solves the problem with the status line, but on pressing the 'Config' button and selecting "Status", the problem of the long pulse device names still persists.

73,

Rainer
DJ6OA

1704. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-27 09:28:12 UTC
From: michael.hartje@...
Topic: 1681 Message: 1704
Attachments: 2 described; binary payloads are missing from this source WARC

hello to all contributors to my question,

Many many thanks to all of you, thinking on a solution and contributing to it.

I have been out one day; so I tested these contributions now and here are some results.

To say it in short words: partly success needs some more refinements.
starting from the last mails:

@ Jim (and Rainer): Thanks for your contribution, which give a good step forward. But: As Rainer mentioned: the longer status filed helps a little, but not at all. Have a look for ...-3.png which shows the result:
1. The status filed is now as long as the main window is broad.
2. the long text is still not given in total
3. The long text now let increase the gap between both button blocks
4. The right button block now overlays the the 3 sliders right of the right button block
5. The far right button row in the right button block is compressed
6. As Rainer mentioned: the status window (see attached file ...-5.png) is not regular sized.
When I resize the the main window - it does not help realy -- on can see in ...-5.png that the buttons in the far right row are resized as well.

So I will come back to Jim's idea: there is to be done some further refinement. It could be one solution to shorten the string just for the display.

@Sid: Change of the variable show_pulse_audio_devices = True to false prevents the startup of qusik when configured with capture from pulse in my case. so this is not possible for me. -- I fear this does not bring the wanted solution. (I wonder what is the designed influence of this variable)

to conclude: There seems to be needed some further refinement in truncation of the displayed string. I personally prefer the truncation over distorted screen display.

Just an idea: the truncation could be:
1. hard truncation at the end of the displayed string
2. soft truncation: check for upper case letters and for "." and for "_". Then take the next 2 letters
example
alsa_output.usb-VIA_Technologies_Inc._VIA_USB_Dongle-00-Dongle.analog-stereo
will become
al_out.us_Te_In_VI_US_Do.an
It may be short enough and significant, when you compare it on the "sound-tab" of the config button.

Thanks for now to all for that

vy 73

Michael
DK5HH

1705. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)?

Yahoo group: n2adr-sdr
Date: 2015-09-27 10:50:11 UTC
From: michael.hartje@...
Topic: 1690 Message: 1705
Attachments: 1 described; binary payloads are missing from this source WARC

hello to Erich and others here on the list,

Thank you for adding some ideas and contributing to this question of a network example for the remote softrock.

I now have some first steps further and a partly success. (See screen shot on the "client" controlling the remote softrock.

But there are still some questions open for the full function.

1. As shown: the spot-button is deactivated -- there is also no function behind when using it on the client while it is full function with quisk on the "server" locally.

2. The microphone at the client does not operate as expected and is not transferred to the client, as well there seems to be a selection issue in my configuration.

3. PTT does operate, but no microphone sound is transferred from the client to the server -- no transmission ! (see below)

@Eric: As I spent some time understanding the concept of the names for the native tcp pulseaudio transfer, I like to recommend a step 9b

find out he full name of the capture and the microphone play devices on the server (remote softrock) by
pacmd list-sources | grep name:
which lists the available devices. Select the one used for the softrock for the clients quisk configuration file of step 10.

@ Eric: I am not sure, but there seems to be some difficulties with the selection of the microphone / headphone pulse audio devices on the client.
in the config button screen there was no movement in the interupts of the microphone and the level has been down to -85 dB on the client. (During local qusik on the server it works as expected.) -- may be this is a pulseaudio question not a question to quisk implementation of code.
At the moment RX is working, but TX not!
What is your experience - any further ideas where to look on?

Thanks
vy73
Michael

1706. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)? [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-09-27 19:04:57 UTC
From: Eric Thornton
Topic: 1690 Message: 1706

Michael,

Answers comments below:

On Sun, Sep 27, 2015 at 6:50 AM, michael.hartje@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
>
> 1. As shown: the spot-button is deactivated -- there is also no function
> behind when using it on the client while it is full function with quisk on
> the "server" locally.
>
Hmm. Spot button is deactivated on my end too. I've never used it (always
used CW tone to tune). I'll look into it. It's probably a function of the
softrock_net.py that I missed.

>
> 2. The microphone at the client does not operate as expected and is not
> transferred to the client, as well there seems to be a selection issue in
> my configuration.
>

> 3. PTT does operate, but no microphone sound is transferred from the
> client to the server -- no transmission ! (see below)
>
Two quick things to verify:
1) Make sure you are in LSB or USB mode. If you're in USB-D mode it will
use the digital-input device.
2) It looks like from your earlier quick_conf.py file, you are trying to
use an alas "PCH" device for microphone? Pulseaudio may be blocking the
device on your local machine. If you open pavucontrol, can you see
movement on the bar when you talk? If not, then try to get the mic working
first. You can use pavucontrol to monitor the level for debug.

>
> @Eric: As I spent some time understanding the concept of the names for the
> native tcp pulseaudio transfer, I like to recommend a step 9b
>
> find out he full name of the capture and the microphone play devices on
> the server (remote softrock) by
> pacmd list-sources | grep name:
> which lists the available devices. Select the one used for the softrock
> for the clients quisk configuration file of step 10.

>
> @ Eric: I am not sure, but there seems to be some difficulties with the
> selection of the microphone / headphone pulse audio devices on the client.
> in the config button screen there was no movement in the interupts of the
> microphone and the level has been down to -85 dB on the client. (During
> local qusik on the server it works as expected.) -- may be this is a
> pulseaudio question not a question to quisk implementation of code.
> At the moment RX is working, but TX not!
> What is your experience - any further ideas where to look on?
>
> Thanks
> vy73
> Michael
>
>

1707. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-28 05:47:12 UTC
From: michael.hartje@...
Topic: 1681 Message: 1707
Attachments: 1 described; binary payloads are missing from this source WARC

hello Jim (and others in the list),

I want to add an other screen shot on a 27"-monitor (1920*1200) made with a wide main screen of qusik.
We notice from the screen shot:
1. All elements are shown
2. the status line has the full width of the buttons in the main screen
3. the text in the status line fills not the length of the status line box
4. the gap between the 2 button blocks in the middle is increased
5. the far right row of the buttons in the right button block is 3 times more wide than normal size of these button row

So I fear there is a need of some good ideas where to change the program code for the generation of the lower part of the main window.

What is your impression?

vy 73

Michael
DK5HH

1708. Re: [n2adr-sdr] example for headless remote controlled softrock (simple TRX)? [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-09-28 08:32:24 UTC
From: michael.hartje@...
Topic: 1690 Message: 1708

hello Eric,

I added the following 2 lines
def OnSpot(self, level):
self.spot_level = level
at the end of class Hardware() in softrock/hardware_net.py

Then the button spot was active and with full function

vy 73

Michael
DK5HH

1709. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-28 09:43:12 UTC
From: rainerfeldkamp@...
Topic: 1681 Message: 1709

Hello Michael,

I take it that this is the start-up screen.

Did you go from there to full screen or to Config->Status screen and back to the Graph screen ?

The screen shots show the start-up screen, the full screen, the Config-Status screen and return to the first screen, respectively.

vy 73

Rainer

DJ6OA

1710. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-28 14:48:43 UTC
From: michael.hartje@...
Topic: 1681 Message: 1710

dear Rainer,

You are right: The last screen shot (...-8.png, today in the morning) was made with the startup screen of quisk. The screen width is not configured manual.

Most of the other screen shots are done on a 1024x768 screen with screen width set to 0.9.

Just to learn a bit more about quisk: Can you describe briefly, what is the outcome when knowing the screen width and the window width. As you may know: the fft size (graph) is not resized when you switch the window size to full screen and going back to normal window size. The horizontal size of the fft graph is not resized all the time.

Looking forward for your email

vy 73

Michael
DK5HH

1711. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-28 17:51:56 UTC
From: jahlstr@...
Topic: 1681 Message: 1711

Hello,

There is a Quisk 3.7.7 beta bug-fix release available on james.ahlstrom.name to fix problems with the long PulseAudio names. If you are using PulseAudio, please give it a try. I will be away for two weeks, but I can work some more on this when I get back in case this is not a 100% fix.

Jim
N2ADR

1712. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-29 22:44:01 UTC
From: rainerfeldkamp@...
Topic: 1681 Message: 1712

Hello Jim and Eric,

3.7.7 is excellent, the decoupling of graph/waterfall, left and right button fields, and status line s amazing.

The only minor glitch was found in first 4 lines of Config->Status, but perhaps these and the following lines may be reduced in length by removing one tab therefrom. Expanding the display to the full screen width resolves even this small problem

Pulse audio is very clean and may be in fact the way to go. You may even use it for testing the cleanliness of your supply voltage by looking at the graph on the center frequency. Ignition noise in a car shows up there as small spikes, so you know whether the engine is running .

Sorry, but I still did not find out how to add a screen shot on this web site.

Thank you so much for all your efforts.

73,
Rainer, DJ6OA

1713. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-29 23:59:17 UTC
From: Sid Boyce
Topic: 1681 Message: 1713

Thanks Jim.
All display issues fixed on Hermes-Lite/ODROID with 22 inch HDMI and
HiQSDR/Raspberry Pi 2 with 7 inch HDMI touchscreen.
73 ... Sid.

On 28/09/15 18:51, jahlstr@... [n2adr-sdr] wrote:
>
> Hello,
>
>
> There is a Quisk 3.7.7 beta bug-fix release available on
> james.ahlstrom.name to fix problems with the long PulseAudio names. If
> you are using PulseAudio, please give it a try. I will be away for
> two weeks, but I can work some more on this when I get back in case
> this is not a 100% fix.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1714. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-30 12:46:25 UTC
From: jahlstr@...
Topic: 1681 Message: 1714

Hello Sid,

Regarding the 7 inch screen, can you use Quisk on such a small screen, or would it be better if jhtere were fewer buttons?

Jim
N2ADR

1715. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-30 13:25:58 UTC
From: jahlstr@...
Topic: 1681 Message: 1715

Excellent news. I will look at your buglette when I get back.

Jim
N2ADR

1716. Re: [n2adr-sdr] Re: error: quisk with pulse:usbdevice --> long string --> distorted screen

Yahoo group: n2adr-sdr
Date: 2015-09-30 23:33:29 UTC
From: Sid Boyce
Topic: 1681 Message: 1716

Fewer buttons would probably help.

I have no difficulty in seeing all of them but the small buttons may be
a problem for some with a shaky hand or very poor eyesight.

Using a mouse is more precise in getting the double-headed arrow to
appear for dragging the waterfall height down with a pointer.

All the buttons and sliders present no problem.

The display is 800x480.

The mode, filter and band buttons could probably be presented as drop
down lists.
73 ... Sid.

On 30/09/15 13:46, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>
> Regarding the 7 inch screen, can you use Quisk on such a small screen,
> or would it be better if jhtere were fewer buttons?
>
> Jim
> N2ADR
>

--
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1717. Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-08 09:16:54 UTC
From: dh5ym@...
Topic: 1717 Message: 1717

Hi,

last weekend i had the chance to use HiQSDR + Quisk in the Reg.1 UHF/SHF contest.
HiQSDR was used with a 1296MHz->29MHz transverter.
I found one bug i think (see below).

Some feedback:

Positive:
- badscope was extremely useful for dish operation (you do not need to tune all the time)
- CQ loop function integrated for SSB into Quisk is working good and avoids a lot of cable stuff
- CW keying with key-off delay was great. Even keying from paddle via the software keyer in the log software was working great (delay in quisk set to 30)
- the new pulse integration seems to work fine. I did not have any problems with TX and RX audio running via Pulse

Some points for further improvement:
- in split mode for CW the RIT function is not working for the main frequency. The RIT is only active for the Sub-RX. This means that you do not hear CW stations that call you on your working frequency while you listen to a second frequency in parallel. Thats the only real bug i discovered.
- The SSB cq loop can be interrupted by PTT but only in the GUI. Pressing the PTT key connected to the HiQSDR hardware does not interrupt or stop the CQ loop

First i missed the CW sidetone slider in Quisk 3.7.7. Then i figured out that i can switch it on by adding use_sidetone = 1 to my config. Then it appeared again.

For the Marconi Memorial Contest i want to use the setup with a 2m transverter again. Then i want to run local cwskimmer connected to quisk. For that i still need to figure out how to set the skimmer mid frequency to the same value than the mit frequency set in Quisk (the middle of the spectrum that comes from the hiqsdr). I assume this could be done within the cluster client functionality within Quisk. Does anyone have experience with that ?

regards
Mario

1718. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-08 12:21:06 UTC
From: dh5ym@...
Topic: 1717 Message: 1718

one more point: for the recording of received audio i noticed that the audio that is actually transmitted (except the audio that is generated by Quisk itself e.g. sidetone or cq-loop) ist not stored into the wav file. I guess that this cannot easily be changed. But it would be a nice too have because a QSO is much easier to find if the own transmission is in the recording.

1719. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-13 14:08:41 UTC
From: jahlstr@...
Topic: 1717 Message: 1719

Thanks for the feedback. I will work on your features for Quisk.

Jim
N2ADR

1720. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-13 15:36:50 UTC
From: dh5ym@...
Topic: 1717 Message: 1720

Hi Jim,

many thanks !!!
My next plan is to work the Marconi Memorical contest on 144MHz in November. It is a 2m CW only competition.
I plan to use the HiQSDR with a ME2HT-Pro2 transverter and maybe 2 antenna systems.
I had a look to the DX Cluster functions. I will try to use it with a local skimmer. Dont know if that works out. Controlling Quisk from the great Tucnak log (OK1ZIA) works already. Also the CW keying via cwdaemon is working fine.

I just have to find a way to send a telnet command to the skimmer if the mid-frequency of the hiqsdr hardware is changed within Quisk in order to get the spots on the correct frequency. There is a command "skimmer/lo_freq" that could be used for that. Maybe you have a hint how to do that ?

regards
Mario

1721. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-14 12:07:40 UTC
From: jahlstr@...
Topic: 1717 Message: 1721

Quisk has external control for Hamlib and Fldigi. If your skimmer offers either of these protocols, you could try that. If not, you need to write a function in Python in your hardware file to send the telnet command when the frequency changes.

Jim
N2ADR

1722. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-14 14:24:56 UTC
From: dh5ym@...
Topic: 1717 Message: 1722

Hi Jim,

i think i have to use the later one. I think Hamlib does not offer to read the center frequency of the HiQSDR hardware, right ?
I looked into the DX-Cluster functions yesterday and if i manage to read the VFO frequency from the dxcluster class i might be able to send the command.

regards
Mario

1723. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-14 20:50:26 UTC
From: dh5ym@...
Topic: 1717 Message: 1723

Hi,

for the moment i used the dxcluster class and created a skimmerupdate class from that. That opens a second telnet connection to the skimmer. I pass the VFO variable to the class and if it changes i send the skimmer/lo_freq command. I just do that every second because otherwise the PC only checks for the VFO variable. I guess there is a correct way to do that but i am not a programmer. At least this works for the moment ;)

With the dxcluster class it was not directly possible since the read for the spots blocks until a complete spot is received.

regards
Mario

1724. Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 05:15:51 UTC
From: w6jhb@...
Topic: 1724 Message: 1724

Hi - first post here for me, as I recall, and sorry if this is kinda long...

I recently completed building a SoftRock Ensemble RXTX. I did my initial testing using Rocky. Reception results were quite good. Transmitting was so-so. Had several strange issues that seem to change based on the day of the week! Voltage, resistance, and current readings looked good except for the voltage at the dummy load terminals. I'm not completely convinced that I have a hardware problem, but possibly Rocky doing something screwy. To add to the confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion on an iMac running OSX. I set it up like this just to ensure that my hardware was working; my eventual plan was to run some SDR application on my RPi to speak with the RXTX.

So, it appears that Quisk might be a real good choice for the RXTX and the RPi. But.... I'm not super experienced with Linux and wonder if it is something I can handle. Has anyone produced any sort of "cookbook" approach to installing Quisk on the RPi and making it work with an RXTX radio?

One other thing to add is that I have an extra Tascam US-125M external USB sound card that I want to use. For certain it works on my iMac, as I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with the RXTX...

Any suggestions would be greatly appreciated.

73, Jim / W6JHB

1725. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 07:20:51 UTC
From: Sid Boyce
Topic: 1724 Message: 1725

Hi Jim,
I shall reply later with a list of pre-req packages that need to be installed and other helpful information.

I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR. The Raspbian distribution is installed on the Pi 2 and runs quisk.

There should be no problems running the digital modes natively. I haven't tried them under quisk as they worked natively before DGTL was included in quisk and worked well with the RXTX.
73 ... Sid.

On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:
> Hi - first post here for me, as I recall, and sorry if this is kinda long...
>
>
> I recently completed building a SoftRock Ensemble RXTX. I did my initial testing using Rocky. Reception results were quite good. Transmitting was so-so. Had several strange issues that seem to change based on the day of the week! Voltage, resistance, and current readings looked good except for the voltage at the dummy load terminals. I'm not completely convinced that I have a hardware problem, but possibly Rocky doing something screwy. To add to the confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion on an iMac running OSX. I set it up like this just to ensure that my hardware was working; my eventual plan was to run some SDR application on my RPi to speak with the RXTX.
>
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> So, it appears that Quisk might be a real good choice for the RXTX and the RPi. But.... I'm not super experienced with Linux and wonder if it is something I can handle. Has anyone produced any sort of "cookbook" approach to installing Quisk on the RPi and making it work with an RXTX radio?
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>
> One other thing to add is that I have an extra Tascam US-125M external USB sound card that I want to use. For certain it works on my iMac, as I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with the RXTX...
>
>
> Any suggestions would be greatly appreciated.

>
>
> 73, Jim / W6JHB
>
>

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1726. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 11:49:53 UTC
From: Sid Boyce
Topic: 1724 Message: 1726
Attachments: 1 described; binary payloads are missing from this source WARC

```
There are some pre-reqs to be installed, this script will do it for you.
Copy and paste it to a file and make it executable or you can Copy and
paste from apt-get to a terminal and hit Enter.
------------------------------------------------------------------- CUT
--------------------------
#!/bin/sh
apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

------------------------------------------------------------------- CUT
-------------------------
***Ignore any lines with "konsole output" in this email ***. They are
put there by Copy & Paste from my terminal.
To enable FreeDV.
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
"cd codec2-dev"
"./configure"
"make && make install"
"cd quisk-3.7.7/freedvpkg"
"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
"cd quisk-3.7.7"
"make"
"python setup.py install"

Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
------------------------------------------------------------------- CUT
----------------------------
SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
--------------------------------------- CUT
-----------------------------------------

# cd quisk-3.7.7
Check your sound cards to see which is 0 and which is 1.
# cat /proc/asound/cards
0 [NVidia ]: HDA-Intel - HDA NVidia
HDA NVidia at 0xfae78000 irq 23
1 [Device ]: USB-Audio - USB Sound Device
USB Sound Device at usb-0000:00:06.0-2, full speed
SOUND CARD SETUP
----------------------------
e.g:-
Sound card 0 is your on-board card --- Plug in Microphone and Speakers.
Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
```

--> Line In and Rear --> Line Out.

"gzip -d quisk_conf.py" and copy it to your home directory as
~/.quisk_conf.py.
LAUNCH quisk with the following command in the quisk-3.7.7 directory or
simply type "quisk" to start it up.
python quisk.py
==
If it complains not finding libcodec2, you'll need to add thes lines to
/etc/ld.so.conf.d/libc.conf and run ldconfig.
/usr/local/lib
/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.
73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> I shall reply later with a list of pre-req packages that need to be
> installed and other helpful information.
>
> I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR.
> The Raspbian distribution is installed on the Pi 2 and runs quisk.
>
> There should be no problems running the digital modes natively. I
> haven't tried them under quisk as they worked natively before DGTL was
> included in quisk and worked well with the RXTX.
> 73 ... Sid.
>
> On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:
>> Hi - first post here for me, as I recall, and sorry if this is kinda
>> long...
>>
>>
>> I recently completed building a SoftRock Ensemble RXTX. I did my
>> initial testing using Rocky. Reception results were quite good.
>> Transmitting was so-so. Had several strange issues that seem to change
>> based on the day of the week! Voltage, resistance, and current
>> readings looked good except for the voltage at the dummy load
>> terminals. I'm not completely convinced that I have a hardware
>> problem, but possibly Rocky doing something screwy. To add to the
>> confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion
>> on an iMac running OSX. I set it up like this just to ensure that my
>> hardware was working; my eventual plan was to run some SDR application
>> on my RPi to speak with the RXTX.
>>
>>
>> So, it appears that Quisk might be a real good choice for the RXTX and
>> the RPi. But.... I'm not super experienced with Linux and wonder if it
>> is something I can handle. Has anyone produced any sort of "cookbook"
>> approach to installing Quisk on the RPi and making it work with an

>> RXTX radio?
>>
>>
>> One other thing to add is that I have an extra Tascam US-125M external
>> USB sound card that I want to use. For certain it works on my iMac, as
>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also
>> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with
>> the RXTX...
>>
>>
>> Any suggestions would be greatly appreciated.
>>
>>
>> 73, Jim / W6JHB
>>
>>
>

--
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1727. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 11:57:59 UTC
From: Sid Boyce
Topic: 1724 Message: 1727

Up front "apt-get install build-essential autoconf2.13".
73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> I shall reply later with a list of pre-req packages that need to be
> installed and other helpful information.
>
> I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR.
> The Raspbian distribution is installed on the Pi 2 and runs quisk.
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> There should be no problems running the digital modes natively. I
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> included in quisk and worked well with the RXTX.
> 73 ... Sid.
>
> On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:
>> Hi - first post here for me, as I recall, and sorry if this is kinda
>> long...
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>> confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion
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>> USB sound card that I want to use. For certain it works on my iMac, as
>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also
>> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with

>> the RXTX...
>>
>>
>> Any suggestions would be greatly appreciated.
>>
>>
>> 73, Jim / W6JHB
>>
>>
>

--
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1728. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 14:53:03 UTC
From: James Bennett
Topic: 1724 Message: 1728

Sid, thanks for the in-depth replies. I've got several non-ham duties to attend to today so I may not get to the RPi stuff as much as I want until Tuesday. But I can say that I'm looking forward to this experiment, as I was not at all happy trying to kludge things together in the Win/VMware/OSX environment. While every other Win-based product I used in that environ worked quite well, the SDR HW/SW stuff is another story! Because my original intent was to run my RXTX on the RPi anyway, it makes sense at this point to just go there and not give myself any more headaches.

Will post results and/or questions here when I'm back at it.

Jim (ex 360 assembler, COBOL, RPG programmer) :-)

Jim Bennett / W6JHB
Folsom, CA

> On Oct 26, 2015, at 4:57 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Up front "apt-get install build-essential autoconf2.13".
> 73 ... Sid.
>
>> On 26/10/15 07:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Hi Jim,
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>> installed and other helpful information.
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>> haven't tried them under quisk as they worked natively before DGTL was
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>> 73 ... Sid.
>>
>>> On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:
>>> Hi - first post here for me, as I recall, and sorry if this is kinda
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>>>
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>>> initial testing using Rocky. Reception results were quite good.
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>>> problem, but possibly Rocky doing something screwy. To add to the

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>>> hardware was working; my eventual plan was to run some SDR application
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>>> RXTX radio?
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>>>
>>> One other thing to add is that I have an extra Tascam US-125M external
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>>> Any suggestions would be greatly appreciated.
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>>> 73, Jim / W6JHB
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1729. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 16:17:34 UTC
From: Sid Boyce
Topic: 1724 Message: 1729

Hi Jim,
Going back to my start with the SR v6.3 I also had problems with Windows, especially programming the UWB (Universal Bit Whacker) for it despite all the expert advice. A guy suggested using fsusb under Linux and the job was completed in a few seconds, moved it back to XP and it worked.

Also there is a bit of jiggery pokery with Windows and USB to be able to detect the Softrock.

Even now on openHPSDR gear there are lots of reports of difficulty programming the FPGA which is a straightforward process on Linux, that's with the SDR connected via Ethernet.

Same problem here with time, hence slow progress with building hardware.
73 ... Sid.

On 26/10/15 14:53, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid, thanks for the in-depth replies. I've got several non-ham duties
> to attend to today so I may not get to the RPi stuff as much as I want
> until Tuesday. But I can say that I'm looking forward to this
> experiment, as I was not at all happy trying to kludge things together
> in the Win/VMware/OSX environment. While every other Win-based product
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> Will post results and/or questions here when I'm back at it.
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> Jim Bennett / W6JHB
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> >>> readings looked good except for the voltage at the dummy load
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> >>>
> >>> One other thing to add is that I have an extra Tascam US-125M external
> >>> USB sound card that I want to use. For certain it works on my iMac, as
> >>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also
> >>> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with
> >>> the RXTX...
> >>>
> >>>
> >>> Any suggestions would be greatly appreciated.
> >>>
> >>>
> >>> 73, Jim / W6JHB
> >>
> >>
> >> --
> >> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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1730. replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-10-26 17:22:46 UTC
From: michael.hartje@...
Topic: 1730 Message: 1730

hello list,

does anybody know a simple path, how to replay a recorded iq-sample wav-file into quisk. (recorded from softrock)

I want to use it to present some features of quisk concected to wsjt-x and fldigi.

did I missed some open or hidden features of qusik? (To my knowledge, there is a feature to record and replay audio (decoded) samples)

What is the easiest open way?
(may be loopback audio with wav-player and a special prepared quisk config file?)

Any other hints are very welcome

thanks
Michael
DK5HH

1731. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-26 17:51:14 UTC
From: jahlstr@...
Topic: 1717 Message: 1731

Hello Mario,

---In n2adr-sdr@yahoogroups.com, <dh5ym@...> wrote :
- in split mode for CW the RIT function is not working for the main frequency. The RIT is only active for the Sub-RX. This means that you do not hear CW stations that call you on your working frequency while you listen to a second frequency in parallel. Thats the only real bug i discovered.

I am not sure what to do about this. When you listen to two frequencies at once, you seem to need two RITs. Currently the RIT applies to the secondary Rx, and the Tx frequency is not changed. Why is applying RIT to the Tx channel better?

- The SSB cq loop can be interrupted by PTT but only in the GUI. Pressing the PTT key connected to the HiQSDR hardware does not interrupt or stop the CQ loop

I will change Quisk so that pressing the hardware PTT will interrupt the CQ loop provided that it is pressed in the gap between transmissions. That is how the VOX works currently.

Jim
N2ADR

1732. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice? [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2015-10-26 20:36:29 UTC
From: James Bennett
Topic: 1724 Message: 1732

Sid, got some time this afternoon and got started. Unfortunately, didn't get too far! First off, figured out that I needed SUDO in front of the first apt-get command. That worked out OK, as best I can tell. Where I ran into trouble was at the ./configure command in the next steps, right after changing to the codec2-dev directory. I get a "No such file or directory". What's needed for this to work? Also, a bit further down at the make install command, is it really supposed to have two ampersands (&&) in the line? I ask this because I need to type the commands in by hand, as I've no easy way to get it from your email (on my Mac) over to the Raspberry Pi.

Jim

Jim Bennett / W6JHB
Folsom, CA

> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> There are some pre-reqs to be installed, this script will do it for you.
> Copy and paste it to a file and make it executable or you can Copy and
> paste from apt-get to a terminal and hit Enter.
> -- CUT
> ---------------------------
> #!/bin/sh
> apt-get install libfftw3-dev libasound2-dev libportaudio2
> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
>
> -- CUT
> -------------------------
> ***Ignore any lines with "konsole output" in this email ***. They are
> put there by Copy & Paste from my terminal.
> To enable FreeDV.
> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> "cd codec2-dev"
> "./configure"
> "make && make install"
> "cd quisk-3.7.7/freedvpkg"
> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
> "cd quisk-3.7.7"
> "make"
> "python setup.py install"
>
> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> -- CUT
> ---------------------------
> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",

> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> ------------------------------------- CUT
> --
>
> # cd quisk-3.7.7
> Check your sound cards to see which is 0 and which is 1.
> # cat /proc/asound/cards
> 0 [NVidia]: HDA-Intel - HDA NVidia
> HDA NVidia at 0xfae78000 irq 23
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-0000:00:06.0-2, full speed
> SOUND CARD SETUP
> ---------------------------
> e.g:-
> Sound card 0 is your on-board card --- Plug in Microphone and Speakers.
> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
> --> Line In and Rear --> Line Out.
>
> "gzip -d quisk_conf.py" and copy it to your home directory as
> ~/.quisk_conf.py.
> LAUNCH quisk with the following command in the quisk-3.7.7 directory or
> simply type "quisk" to start it up.
> # python quisk.py
> ==
> If it complains not finding libcodec2, you'll need to add thes lines to
> /etc/ld.so.conf.d/libc.conf and run ldconfig.
> /usr/local/lib
> /usr/local/lib/arm-linux-gnueabihf
>
> If you hit problems, just ask.
> 73 ... Sid.
>
> On 26/10/15 07:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> > Hi Jim,
> > I shall reply later with a list of pre-req packages that need to be
> > installed and other helpful information.
> >
> > I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR.
> > The Raspbian distribution is installed on the Pi 2 and runs quisk.
> >
> > There should be no problems running the digital modes natively. I
> > haven't tried them under quisk as they worked natively before DGTL was
> > included in quisk and worked well with the RXTX.
> > 73 ... Sid.
> >
> > On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:
> >> Hi - first post here for me, as I recall, and sorry if this is kinda
> >> long...
> >>
> >>

> >> I recently completed building a SoftRock Ensemble RXTX. I did my
> >> initial testing using Rocky. Reception results were quite good.
> >> Transmitting was so-so. Had several strange issues that seem to change
> >> based on the day of the week! Voltage, resistance, and current
> >> readings looked good except for the voltage at the dummy load
> >> terminals. I'm not completely convinced that I have a hardware
> >> problem, but possibly Rocky doing something screwy. To add to the
> >> confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion
> >> on an iMac running OSX. I set it up like this just to ensure that my
> >> hardware was working; my eventual plan was to run some SDR application
> >> on my RPi to speak with the RXTX.
> >>
> >>
> >> So, it appears that Quisk might be a real good choice for the RXTX and
> >> the RPi. But.... I'm not super experienced with Linux and wonder if it
> >> is something I can handle. Has anyone produced any sort of "cookbook"
> >> approach to installing Quisk on the RPi and making it work with an
> >> RXTX radio?
> >>
> >>
> >> One other thing to add is that I have an extra Tascam US-125M external
> >> USB sound card that I want to use. For certain it works on my iMac, as
> >> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also
> >> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with
> >> the RXTX...
> >>
> >>
> >> Any suggestions would be greatly appreciated.
> >>
> >>
> >> 73, Jim / W6JHB
> >>
> >>
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
> <quisk_conf.py.gz>

1733. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 20:40:11 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1733

I think codec2-dev needs a few more steps to install

from the codec2-dev directory .....

mkdir buildcode
cd buildcode
cmake ../

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:36:29 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Sid, got some time this afternoon and got started. Unfortunately, didn't get too far! First off, figured out that I needed SUDO in front of the first apt-get command. That worked out OK, as best I can tell. Where I ran into trouble was at the ./configure command in the next steps, right after changing to the codec2-dev directory. I get a "No such file or directory". What's needed for this to work? Also, a bit further down at the make install command, is it really supposed to have two ampersands (&&) in the line? I ask this because I need to type the commands in by hand, as I've no easy way to get it from your email (on my Mac) over to the Raspberry Pi.
Jim

Jim Bennett / W6JHBFolsom, CA
On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

There are some pre-reqs to be installed, this script will do it for you.

Copy and paste it to a file and make it executable or you can Copy and

paste from apt-get to a terminal and hit Enter.

-- CUT

#!/bin/sh

apt-get install libfftw3-dev libasound2-dev libportaudio2

portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0

python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

-- CUT

***Ignore any lines with "konsole output" in this email ***. They are

put there by Copy & Paste from my terminal.

To enable FreeDV.

"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"

"cd codec2-dev"

"./configure"

"make && make install"

"cd quisk-3.7.7/freedvpkg"

"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."

"cd quisk-3.7.7"

"make"

"python setup.py install"

Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules

-- CUT

SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",

ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"

--------------------------------------- CUT

----

cd quisk-3.7.7

Check your sound cards to see which is 0 and which is 1.

cat /proc/asound/cards

0 [NVidia]: HDA-Intel - HDA NVidia

HDA NVidia at 0xfae78000 irq 23

1 [Device]: USB-Audio - USB Sound Device

USB Sound Device at usb-0000:00:06.0-2, full speed

SOUND CARD SETUP

----

e.g:-

Sound card 0 is your on-board card --- Plug in Microphone and Speakers.

Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In

--> Line In and Rear --> Line Out.

"gzip -d quisk_conf.py" and copy it to your home directory as

~/.quisk_conf.py.

LAUNCH quisk with the following command in the quisk-3.7.7 directory or

simply type "quisk" to start it up.

python quisk.py

==========

If it complains not finding libcodec2, you'll need to add thes lines to

/etc/ld.so.conf.d/libc.conf and run ldconfig.

/usr/local/lib

/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.

73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:

> Hi Jim,

> I shall reply later with a list of pre-req packages that need to be

> installed and other helpful information.

>

> I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR.

> The Raspbian distribution is installed on the Pi 2 and runs quisk.

>

> There should be no problems running the digital modes natively. I

> haven't tried them under quisk as they worked natively before DGTL was

> included in quisk and worked well with the RXTX.

> 73 ... Sid.

>

> On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:

>> Hi - first post here for me, as I recall, and sorry if this is kinda
>> long...
>>
>>
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>> initial testing using Rocky. Reception results were quite good.
>> Transmitting was so-so. Had several strange issues that seem to change
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>> readings looked good except for the voltage at the dummy load
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>> confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion
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>> approach to installing Quisk on the RPi and making it work with an
>> RXTX radio?
>>
>>
>> One other thing to add is that I have an extra Tascam US-125M external
>> USB sound card that I want to use. For certain it works on my iMac, as
>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also
>> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with
>> the RXTX...

>>

>>

>> Any suggestions would be greatly appreciated.

>>

>>

>> 73, Jim / W6JHB

>>

>>

>

--

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<quisk_conf.py.gz>

1734. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 20:44:57 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1734

forgot to add ...

sudo make install

if you look in the codec2-dev folder you will see a file called "README" ... you can open with just about anything and read its contents ... my add on instructions are almost identical to the install portion ... not bad from memory

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:40:11 -0700
Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

I think codec2-dev needs a few more steps to install

from the codec2-dev directory .....

mkdir buildcode
cd buildcode
cmake ../

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:36:29 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Sid, got some time this afternoon and got started. Unfortunately, didn't get too far! First off, figured out that I needed SUDO in front of the first apt-get command. That worked out OK, as best I can tell. Where I ran into trouble was at the ./configure command in the next steps, right after changing to the codec2-dev directory. I get a "No such file or directory". What's needed for this to work? Also, a bit further down at the make install command, is it really supposed to have two ampersands (&&) in the line? I ask this because I need to type the commands in by hand, as I've no easy way to get it from your email (on my Mac) over to the Raspberry Pi.
Jim

Jim Bennett / W6JHBFolsom, CA
On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

There are some pre-reqs to be installed, this script will do it for you.

Copy and paste it to a file and make it executable or you can Copy and

paste from apt-get to a terminal and hit Enter.

-- CUT

```
---------------------------
#!/bin/sh
apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
------------------------------------------------------------ CUT
-------------------------
***Ignore any lines with "konsole output" in this email ***. They are
put there by Copy & Paste from my terminal.
To enable FreeDV.
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
"cd codec2-dev"
"./configure"
"make && make install"
"cd quisk-3.7.7/freedvpkg"
"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
"cd quisk-3.7.7"
"make"
"python setup.py install"
Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
------------------------------------------------------------ CUT
---------------------------
SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
-------------------------------------- CUT
----------------------------------------
# cd quisk-3.7.7
Check your sound cards to see which is 0 and which is 1.
# cat /proc/asound/cards
```

0 [NVidia]: HDA-Intel - HDA NVidia

HDA NVidia at 0xfae78000 irq 23

1 [Device]: USB-Audio - USB Sound Device

USB Sound Device at usb-0000:00:06.0-2, full speed

SOUND CARD SETUP

---

e.g:-

Sound card 0 is your on-board card --- Plug in Microphone and Speakers.

Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In

--> Line In and Rear --> Line Out.

"gzip -d quisk_conf.py" and copy it to your home directory as

~/.quisk_conf.py.

LAUNCH quisk with the following command in the quisk-3.7.7 directory or

simply type "quisk" to start it up.

python quisk.py

If it complains not finding libcodec2, you'll need to add thes lines to

/etc/ld.so.conf.d/libc.conf and run ldconfig.

/usr/local/lib

/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.

73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@....uk [n2adr-sdr] wrote:

> Hi Jim,

> I shall reply later with a list of pre-req packages that need to be

> installed and other helpful information.

>

> I recently replaced a Pi model B with a Pi 2 in my standalone HiQSDR.

> The Raspbian distribution is installed on the Pi 2 and runs quisk.

>

> There should be no problems running the digital modes natively. I

> haven't tried them under quisk as they worked natively before DGTL was

> included in quisk and worked well with the RXTX.

> 73 ... Sid.

>

> On 26/10/15 05:15, w6jhb@... [n2adr-sdr] wrote:

>> Hi - first post here for me, as I recall, and sorry if this is kinda

>> long...

>>

>>

>> I recently completed building a SoftRock Ensemble RXTX. I did my

>> initial testing using Rocky. Reception results were quite good.

>> Transmitting was so-so. Had several strange issues that seem to change

>> based on the day of the week! Voltage, resistance, and current

>> readings looked good except for the voltage at the dummy load

>> terminals. I'm not completely convinced that I have a hardware

>> problem, but possibly Rocky doing something screwy. To add to the

>> confusion (mine) I run Rocky on Windows 8.1, but under VMware Fusion

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>> hardware was working; my eventual plan was to run some SDR application

>> on my RPi to speak with the RXTX.

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>>

>> So, it appears that Quisk might be a real good choice for the RXTX and

>> the RPi. But.... I'm not super experienced with Linux and wonder if it

>> is something I can handle. Has anyone produced any sort of "cookbook"

>> approach to installing Quisk on the RPi and making it work with an

>> RXTX radio?

>>

>>

>> One other thing to add is that I have an extra Tascam US-125M external

>> USB sound card that I want to use. For certain it works on my iMac, as

>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31. It also

>> "seems" to work with the RXTX in that kludgy Win8.1/VMware setup,with

>> the RXTX...

>>

>>

>> Any suggestions would be greatly appreciated.

>>

>>

>> 73, Jim / W6JHB

>>

>>

>

--

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<quisk_conf.py.gz>

1735. Re: [n2adr-sdr] replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-10-26 21:50:23 UTC
From: Sid Boyce
Topic: 1730 Message: 1735

Have a look at quisk_conf_defaults.py - Audio section.

record (red circle), playback (triangle on its side), File (red circle).
Select File and Record, then select File and playback.
e.g:- in ~/.quisk_conf.py
file_name_audio = "~/quisk.wav"
73 ... Sid.

On 26/10/15 17:22, michael.hartje@... [n2adr-sdr] wrote:
>
> hello list,
>
> does anybody know a simple path, how to replay a recorded iq-sample
> wav-file into quisk. (recorded from softrock)
>
> I want to use it to present some features of quisk concected to wsjt-x
> and fldigi.
>
> did I missed some open or hidden features of qusik? (To my knowledge,
> there is a feature to record and replay audio (decoded) samples)
>
> What is the easiest open way?
> (may be loopback audio with wav-player and a special prepared quisk
> config file?)
>
> Any other hints are very welcome
>
> thanks
> Michael
> DK5HH
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1736. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 21:57:20 UTC
From: Sid Boyce
Topic: 1724 Message: 1736

Hi Mike & Jim,
My hurried instructions, codec2-dev needs those steps, then "make &&
make install".

Jim, make && make install" says do "make" and if successful do "make
install". It will only run "make install" if "make" completes without
errors.

You can of course run "make" and when it completes without errors, "make
install".
73 ... Sid.

On 26/10/15 20:40, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> I think codec2-dev needs a few more steps to install
>
> from the codec2-dev directory .....
>
> mkdir buildcode
> cd buildcode
> cmake ../
>
> --
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Mon, 26 Oct 2015 13:36:29 -0700
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>
>
> Sid, got some time this afternoon and got started. Unfortunately,
> didn't get too far! First off, figured out that I needed SUDO in front
> of the first apt-get command. That worked out OK, as best I can tell.
> Where I ran into trouble was at the ./configure command in the next
> steps, right after changing to the codec2-dev directory. I get a "No
> such file or directory". What's needed for this to work? Also, a bit
> further down at the make install command, is it really supposed to
> have two ampersands (&&) in the line? I ask this because I need to
> type the commands in by hand, as I've no easy way to get it from your
> email (on my Mac) over to the Raspberry Pi.
>
> Jim
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...

> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> There are some pre-reqs to be installed, this script will do it
> for you.
> Copy and paste it to a file and make it executable or you can Copy
> and
> paste from apt-get to a terminal and hit Enter.
> -- CUT
> ---------------------------
> #!/bin/sh
> apt-get install libfftw3-dev libasound2-dev libportaudio2
> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
>
> -- CUT
> ------------------------
> ***Ignore any lines with "konsole output" in this email ***. They are
> put there by Copy & Paste from my terminal.
> To enable FreeDV.
> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> "cd codec2-dev"
> "./configure"
> "make && make install"
> "cd quisk-3.7.7/freedvpkg"
> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
> "cd quisk-3.7.7"
> "make"
> "python setup.py install"
>
> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> -- CUT
> ---------------------------
> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> ------------------------------------- CUT
> --
>
> # cd quisk-3.7.7
> Check your sound cards to see which is 0 and which is 1.
> # cat /proc/asound/cards
> 0 [NVidia]: HDA-Intel - HDA NVidia
> HDA NVidia at 0xfae78000 irq 23
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-0000:00:06.0-2, full speed
> SOUND CARD SETUP
> ---------------------------
> e.g:-
> Sound card 0 is your on-board card --- Plug in Microphone and
> Speakers.

> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
> --> Line In and Rear --> Line Out.
>
> "gzip -d quisk_conf.py" and copy it to your home directory as
> ~/.quisk_conf.py.
> LAUNCH quisk with the following command in the quisk-3.7.7
> directory or
> simply type "quisk" to start it up.
> # python quisk.py
> ==
> If it complains not finding libcodec2, you'll need to add thes
> lines to
> /etc/ld.so.conf.d/libc.conf and run ldconfig.
> /usr/local/lib
> /usr/local/lib/arm-linux-gnueabihf
>
> If you hit problems, just ask.
> 73 ... Sid.
>
> On 26/10/15 07:20, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] wrote:
> > Hi Jim,
> > I shall reply later with a list of pre-req packages that need to be
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>
> <quisk_conf.py.gz>
>
>
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--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1737. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-26 21:59:34 UTC
From: Sid Boyce
Topic: 1724 Message: 1737

"sudo apt-get", "sudo make install" if the commands are executed as user.
I usually do all that stuff as root.
73 ... Sid.

On 26/10/15 20:44, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> forgot to add ...
>
> sudo make install
>
> if you look in the codec2-dev folder you will see a file called
> "README" ... you can open with just about anything and read its
> contents ... my add on instructions are almost identical to the
> install portion ... not bad from memory
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> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Mon, 26 Oct 2015 13:40:11 -0700
> Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
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> I think codec2-dev needs a few more steps to install
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> from the codec2-dev directory .....
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> mkdir buildcode
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> cmake ../
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> To: n2adr-sdr@yahoogroups.com
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> type the commands in by hand, as I've no easy way to get it from your
> email (on my Mac) over to the Raspberry Pi.
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> Jim
>
> Jim Bennett / W6JHB
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>
> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
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> There are some pre-reqs to be installed, this script will do it
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> Copy and paste it to a file and make it executable or you can Copy
> and
> paste from apt-get to a terminal and hit Enter.
> -- CUT
> --------------------------
> #!/bin/sh
> apt-get install libfftw3-dev libasound2-dev libportaudio2
> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
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> ***Ignore any lines with "konsole output" in this email ***. They are
> put there by Copy & Paste from my terminal.
> To enable FreeDV.
> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> "cd codec2-dev"
> "./configure"
> "make && make install"
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1738. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 04:05:34 UTC
From: James Bennett
Topic: 1724 Message: 1738

Wow - my head hurts. I ran some of the commands successfully, but had issues with others. I think perhaps many of the problems I encountered came from having some files at root and others not there, but in the pi directory. Would it be best for me to simply start over as root? By the way, I never was able to get that ./configure command to work. Ughhh...

And now you can see just how much of a rookie I am with Linux!

Jim

Jim Bennett / W6JHB
Folsom, CA

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>> sudo make install
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>> From: n2adr-sdr@yahoogroups.com
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>> I think codec2-dev needs a few more steps to install
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>> from the codec2-dev directory .....
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>> mkdir buildcode
>> cd buildcode
>> cmake ../
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>> There are some pre-reqs to be installed, this script will do it
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>> Copy and paste it to a file and make it executable or you can Copy
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>> -- CUT
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> Yahoo Groups Links
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1739. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 04:12:56 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1739

your not going to for codec2-dev ... unless you run autoreconf -i first .. and dont need to if codec2-dev builds ok

even if it dosent.... reading the output text of the cmake ../ and make will give clues to what you need to get ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 21:05:34 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

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>> "cd codec2-dev"

>> "./configure"

>> "make && make install"

>> "cd quisk-3.7.7/freedvpkg"

>> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."

>> "cd quisk-3.7.7"

>> "make"

>> "python setup.py install"

>>

>> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules

>> -- CUT

>> ----------------------------

>> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",

>> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"

>> -------------------------------------- CUT

>> --

>>

>> # cd quisk-3.7.7

>> Check your sound cards to see which is 0 and which is 1.

>> # cat /proc/asound/cards

>> 0 [NVidia]: HDA-Intel - HDA NVidia

>> HDA NVidia at 0xfae78000 irq 23

>> 1 [Device]: USB-Audio - USB Sound Device

>> USB Sound Device at usb-0000:00:06.0-2, full speed

>> SOUND CARD SETUP

>> ---------------------------

>> e.g:-

>> Sound card 0 is your on-board card --- Plug in Microphone and

>> Speakers.

>> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In

>> --> Line In and Rear --> Line Out.

>>

>> "gzip -d quisk_conf.py" and copy it to your home directory as

>> ~/.quisk_conf.py.

>> LAUNCH quisk with the following command in the quisk-3.7.7

>> directory or

>> simply type "quisk" to start it up.

>> # python quisk.py

>> ==

>> If it complains not finding libcodec2, you'll need to add thes

>> lines to

>> /etc/ld.so.conf.d/libc.conf and run ldconfig.

>> /usr/local/lib

>> /usr/local/lib/arm-linux-gnueabihf

>>

>> If you hit problems, just ask.

>> 73 ... Sid.

>>

>> On 26/10/15 07:20, Sid Boyce g3vbv@blueyonder.co.uk

>> <mailto:g3vbv@...> [n2adr-sdr] wrote:

>>> Hi Jim,

>>> I shall reply later with a list of pre-req packages that need to be

>>> installed and other helpful information.

>>>

>>> I recently replaced a Pi model B with a Pi 2 in my standalone

>> HiQSDR.

>>> The Raspbian distribution is installed on the Pi 2 and runs quisk.

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>>> There should be no problems running the digital modes natively. I

>>> haven't tried them under quisk as they worked natively before

>> DGTL was

>>> included in quisk and worked well with the RXTX.

>>> 73 ... Sid.

>>>

>>> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>

>> [n2adr-sdr] wrote:

>>>> Hi - first post here for me, as I recall, and sorry if this is

>> kinda

>>>> long...

>>>>

>>>>

>>>> I recently completed building a SoftRock Ensemble RXTX. I did my

>>>> initial testing using Rocky. Reception results were quite good.

>>>> Transmitting was so-so. Had several strange issues that seem to

>> change

>>>> based on the day of the week! Voltage, resistance, and current

>>>> readings looked good except for the voltage at the dummy load

>>>> terminals. I'm not completely convinced that I have a hardware

>>>> problem, but possibly Rocky doing something screwy. To add to the

>>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware

>> Fusion

>>>> on an iMac running OSX. I set it up like this just to ensure

>> that my

>>>> hardware was working; my eventual plan was to run some SDR

>> application

>>>> on my RPi to speak with the RXTX.

>>>>

>>>>

>>>> So, it appears that Quisk might be a real good choice for the

>> RXTX and

>>>> the RPi. But.... I'm not super experienced with Linux and

>> wonder if it

>>>> is something I can handle. Has anyone produced any sort of

>> "cookbook"

>>>> approach to installing Quisk on the RPi and making it work with an

>>>> RXTX radio?

>>>>

>>>>

>>>> One other thing to add is that I have an extra Tascam US-125M

>> external

>>>> USB sound card that I want to use. For certain it works on my

>> iMac, as

>>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.

>> It also

>>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware

>> setup,with

>>>> the RXTX...

>>>>

>>>>

>>>> Any suggestions would be greatly appreciated.

>>>>

>>>>

>>>> 73, Jim / W6JHB

>>

>> --

>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

>> Senior Staff Specialist, Cricket Coach

>> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>>

>>

>> <quisk_conf.py.gz>

>

>

> --

> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

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> Yahoo Groups Links

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>

1740. Re: Feedback on Quisk 3.7.7

Yahoo group: n2adr-sdr
Date: 2015-10-27 11:54:32 UTC
From: dh5ym@...
Topic: 1717 Message: 1740

Hi Jim,

>I am not sure what to do about this. When you listen to two frequencies at once, you seem to need two >RITs. Currently the RIT applies to the secondary Rx, and the Tx frequency is not changed. Why is applying >RIT to the Tx channel better?

Yes indeed. The Main RX and the Aux RX both need a RIT. It can have the same frequency offset i think, so that you do not need an extra slider. As you said the RIT is applied to the Auxiliary RX currently. So the Main RX has a offset of 0 and you will not hear a CW station calling you on your Main frequency if you have the Auxiliary RX switched on.

>I will change Quisk so that pressing the hardware PTT will interrupt the CQ loop provided that it is pressed in >the gap between transmissions. That is how the VOX works currently.

That sounds like a good solution.

Thank you very much !

regards
Mario

1741. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 17:43:10 UTC
From: James Bennett
Topic: 1724 Message: 1741

Going back to the beginning. All runs fine until I get a “No such file or directory” for the ./configure command. How can I resolve this? Did some Googling, but nothing concrete to tell me where to go…

Jim
> On Monday, Oct 26, 2015, at Monday, 2:57 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Mike & Jim,
> My hurried instructions, codec2-dev needs those steps, then "make && make install".
>
> Jim, make && make install" says do "make" and if successful do "make install". It will only run "make install" if "make" completes without errors.
>
> You can of course run "make" and when it completes without errors, "make install".
> 73 ... Sid.
>
> On 26/10/15 20:40, MIKE DURKIN Patriot121@... <mailto:Patriot121@...> [n2adr-sdr] wrote:
>>
>> I think codec2-dev needs a few more steps to install
>>
>> from the codec2-dev directory .....
>>
>> mkdir buildcode
>> cd buildcode
>> cmake ../
>>
>> ---
>> To: n2adr-sdr@yahoogroups.com
>> From: n2adr-sdr@yahoogroups.com
>> Date: Mon, 26 Oct 2015 13:36:29 -0700
>> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>>
>>
>> Sid, got some time this afternoon and got started. Unfortunately,
>> didn't get too far! First off, figured out that I needed SUDO in front
>> of the first apt-get command. That worked out OK, as best I can tell.
>> Where I ran into trouble was at the ./configure command in the next
>> steps, right after changing to the codec2-dev directory. I get a "No
>> such file or directory". What's needed for this to work? Also, a bit
>> further down at the make install command, is it really supposed to
>> have two ampersands (&&) in the line? I ask this because I need to

>> type the commands in by hand, as I've no easy way to get it from your
>> email (on my Mac) over to the Raspberry Pi.
>>
>> Jim
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
>> <mailto:g3vbv@... <mailto:g3vbv@blueyonder.co.uk>> [n2adr-sdr]
<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>
>> There are some pre-reqs to be installed, this script will do it
>> for you.
>> Copy and paste it to a file and make it executable or you can Copy
>> and
>> paste from apt-get to a terminal and hit Enter.
>> -- CUT
>> ---------------------------
>> #!/bin/sh
>> apt-get install libfftw3-dev libasound2-dev libportaudio2
>> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
>> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
>>
>> -- CUT
>> -------------------------
>> ***Ignore any lines with "konsole output" in this email ***. They are
>> put there by Copy & Paste from my terminal.
>> To enable FreeDV.
>> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev
<https://svn.code.sf.net/p/freetel/code/codec2-dev>"
>> "cd codec2-dev"
>> "./configure"
>> "make && make install"
>> "cd quisk-3.7.7/freedvpkg"
>> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
>> "cd quisk-3.7.7"
>> "make"
>> "python setup.py install"
>>
>> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
>> -- CUT
>> ----------------------------
>> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
>> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
>> ------------------------------------- CUT
>> --
>>
>> # cd quisk-3.7.7

>> Check your sound cards to see which is 0 and which is 1.
>> # cat /proc/asound/cards
>> 0 [NVidia]: HDA-Intel - HDA NVidia
>> HDA NVidia at 0xfae78000 irq 23
>> 1 [Device]: USB-Audio - USB Sound Device
>> USB Sound Device at usb-0000:00:06.0-2, full speed
>> SOUND CARD SETUP
>> ---------------------------
>> e.g:-
>> Sound card 0 is your on-board card --- Plug in Microphone and
>> Speakers.
>> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
>> --> Line In and Rear --> Line Out.
>>
>> "gzip -d quisk_conf.py" and copy it to your home directory as
>> ~/.quisk_conf.py.
>> LAUNCH quisk with the following command in the quisk-3.7.7
>> directory or
>> simply type "quisk" to start it up.
>> # python quisk.py
>> ==
>> If it complains not finding libcodec2, you'll need to add thes
>> lines to
>> /etc/ld.so.conf.d/libc.conf and run ldconfig.
>> /usr/local/lib
>> /usr/local/lib/arm-linux-gnueabihf
>>
>> If you hit problems, just ask.
>> 73 ... Sid.
>>
>> On 26/10/15 07:20, Sid Boyce g3vbv@....uk <mailto:g3vbv@...>
>> <mailto:g3vbv@... <mailto:g3vbv@...>> [n2adr-sdr] wrote:
>>> Hi Jim,
>>> I shall reply later with a list of pre-req packages that need to be
>>> installed and other helpful information.
>>>
>>> I recently replaced a Pi model B with a Pi 2 in my standalone
>> HiQSDR.
>>> The Raspbian distribution is installed on the Pi 2 and runs quisk.
>>>
>>> There should be no problems running the digital modes natively. I
>>> haven't tried them under quisk as they worked natively before
>> DGTL was
>>> included in quisk and worked well with the RXTX.
>>> 73 ... Sid.
>>>
>>> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>
>> [n2adr-sdr] wrote:
>>>> Hi - first post here for me, as I recall, and sorry if this is
>> kinda

>>>> long...
>>>>
>>>>
>>>> I recently completed building a SoftRock Ensemble RXTX. I did my
>>>> initial testing using Rocky. Reception results were quite good.
>>>> Transmitting was so-so. Had several strange issues that seem to
>> change
>>>> based on the day of the week! Voltage, resistance, and current
>>>> readings looked good except for the voltage at the dummy load
>>>> terminals. I'm not completely convinced that I have a hardware
>>>> problem, but possibly Rocky doing something screwy. To add to the
>>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware
>> Fusion
>>>> on an iMac running OSX. I set it up like this just to ensure
>> that my
>>>> hardware was working; my eventual plan was to run some SDR
>> application
>>>> on my RPi to speak with the RXTX.
>>>>
>>>>
>>>> So, it appears that Quisk might be a real good choice for the
>> RXTX and
>>>> the RPi. But.... I'm not super experienced with Linux and
>> wonder if it
>>>> is something I can handle. Has anyone produced any sort of
>> "cookbook"
>>>> approach to installing Quisk on the RPi and making it work with an
>>>> RXTX radio?
>>>>
>>>>
>>>> One other thing to add is that I have an extra Tascam US-125M
>> external
>>>> USB sound card that I want to use. For certain it works on my
>> iMac, as
>>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
>> It also
>>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware
>> setup,with
>>>> the RXTX...
>>>>
>>>>
>>>> Any suggestions would be greatly appreciated.
>>>>
>>>>
>>>> 73, Jim / W6JHB
>>>>
>>>>
>>>
>>
>> --

>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>>
>> <quisk_conf.py.gz>
>>
>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Yahoo Groups Links
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1742. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 18:00:57 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1742

forget the part for ./configure when dealing with codec2-dev ....
that part is taken care of by the cmake script ....

To: n2adr-sdr@...m
From: n2adr-sdr@yahoogroups.com
Date: Tue, 27 Oct 2015 10:43:10 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Going back to the beginning. All runs fine until I get a “No such file or directory” for the ./configure command. How can I resolve this? Did some Googling, but nothing concrete to tell me where to go…

JimOn Monday, Oct 26, 2015, at Monday, 2:57 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:Hi Mike & Jim,My hurried instructions, codec2-dev needs those steps, then "make && make install".Jim, make && make install" says do "make" and if successful do "make install". It will only run "make install" if "make" completes without errors.You can of course run "make" and when it completes without errors, "make install".73 ... Sid.On 26/10/15 20:40, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] wrote:
I think codec2-dev needs a few more steps to install

from the codec2-dev directory .....

mkdir buildcode
cd buildcode
cmake ../

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:36:29 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Sid, got some time this afternoon and got started. Unfortunately,
didn't get too far! First off, figured out that I needed SUDO in front
of the first apt-get command. That worked out OK, as best I can tell.
Where I ran into trouble was at the ./configure command in the next
steps, right after changing to the codec2-dev directory. I get a "No
such file or directory". What's needed for this to work? Also, a bit
further down at the make install command, is it really supposed to
have two ampersands (&&) in the line? I ask this because I need to
type the commands in by hand, as I've no easy way to get it from your
email (on my Mac) over to the Raspberry Pi.

Jim

Jim Bennett / W6JHB
Folsom, CA

On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
<mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

There are some pre-reqs to be installed, this script will do it
for you.
Copy and paste it to a file and make it executable or you can Copy
and
paste from apt-get to a terminal and hit Enter.
-- CUT

#!/bin/sh
apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

-- CUT

***Ignore any lines with "konsole output" in this email ***. They are
put there by Copy & Paste from my terminal.
To enable FreeDV.
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
"cd codec2-dev"
"./configure"
"make && make install"
"cd quisk-3.7.7/freedvpkg"
"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
"cd quisk-3.7.7"
"make"
"python setup.py install"

Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
-- CUT

SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
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cd quisk-3.7.7
Check your sound cards to see which is 0 and which is 1.
cat /proc/asound/cards
0 [NVidia]: HDA-Intel - HDA NVidia
HDA NVidia at 0xfae78000 irq 23
1 [Device]: USB-Audio - USB Sound Device
USB Sound Device at usb-0000:00:06.0-2, full speed
SOUND CARD SETUP
----
e.g:-
Sound card 0 is your on-board card --- Plug in Microphone and
Speakers.
Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In

--> Line In and Rear --> Line Out.

"gzip -d quisk_conf.py" and copy it to your home directory as
~/.quisk_conf.py.
LAUNCH quisk with the following command in the quisk-3.7.7
directory or
simply type "quisk" to start it up.
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If it complains not finding libcodec2, you'll need to add thes
lines to
/etc/ld.so.conf.d/libc.conf and run ldconfig.
/usr/local/lib
/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.
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On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
[n2adr-sdr] wrote:
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long...

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Transmitting was so-so. Had several strange issues that seem to
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based on the day of the week! Voltage, resistance, and current
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hardware was working; my eventual plan was to run some SDR
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on my RPi to speak with the RXTX.

So, it appears that Quisk might be a real good choice for the
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It also
"seems" to work with the RXTX in that kludgy Win8.1/VMware
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the RXTX...

Any suggestions would be greatly appreciated.

73, Jim / W6JHB

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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<quisk_conf.py.gz>

1743. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 18:39:05 UTC
From: James Bennett
Topic: 1724 Message: 1743

Yep, I had a feeling I could skip that line. I did the cmake and all was OK at that point.

Did the make and then sudo make install - no problems there, either.

Changed to the quisk-3.7.7 folder and tried the make command there - it failed looking for pulse/pulseaudio.h - No such file or directory

What is needed to get past this one? :-)

Jim

> On Tuesday, Oct 27, 2015, at Tuesday, 11:00 AM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> forget the part for ./configure when dealing with codec2-dev ....
> that part is taken care of by the cmake script ....
>
>
>
> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Tue, 27 Oct 2015 10:43:10 -0700
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
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> Jim
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> Jim, make && make install" says do "make" and if successful do "make
> install". It will only run "make install" if "make" completes without
> errors.
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> You can of course run "make" and when it completes without errors, "make
> install".
> 73 ... Sid.
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wrote:
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>
> from the codec2-dev directory .....
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> mkdir buildcode
> cd buildcode
> cmake ../
>
> ---
> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Mon, 26 Oct 2015 13:36:29 -0700
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>
>
> Sid, got some time this afternoon and got started. Unfortunately,
> didn't get too far! First off, figured out that I needed SUDO in front
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> have two ampersands (&&) in the line? I ask this because I need to
> type the commands in by hand, as I've no easy way to get it from your
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> Jim
>
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> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
> There are some pre-reqs to be installed, this script will do it
> for you.
> Copy and paste it to a file and make it executable or you can Copy
> and
> paste from apt-get to a terminal and hit Enter.
> --- CUT
> --------------------------
> #!/bin/sh
> apt-get install libfftw3-dev libasound2-dev libportaudio2
> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

```
>
> ------------------------------------------------------------ CUT
> -------------------------
> ***Ignore any lines with "konsole output" in this email ***. They are
> put there by Copy & Paste from my terminal.
> To enable FreeDV.
> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev
<https://svn.code.sf.net/p/freetel/code/codec2-dev>"
> "cd codec2-dev"
> "./configure"
> "make && make install"
> "cd quisk-3.7.7/freedvpkg"
> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
> "cd quisk-3.7.7"
> "make"
> "python setup.py install"
>
> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> ------------------------------------------------------------ CUT
> ----------------------------
> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> ------------------------------------- CUT
> ----------------------------------------
>
> # cd quisk-3.7.7
> Check your sound cards to see which is 0 and which is 1.
> # cat /proc/asound/cards
> 0 [NVidia ]: HDA-Intel - HDA NVidia
> HDA NVidia at 0xfae78000 irq 23
> 1 [Device ]: USB-Audio - USB Sound Device
> USB Sound Device at usb-0000:00:06.0-2, full speed
> SOUND CARD SETUP
> ---------------------------
> e.g:-
> Sound card 0 is your on-board card --- Plug in Microphone and
> Speakers.
> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
> --> Line In and Rear --> Line Out.
>
> "gzip -d quisk_conf.py" and copy it to your home directory as
> ~/.quisk_conf.py.
> LAUNCH quisk with the following command in the quisk-3.7.7
> directory or
> simply type "quisk" to start it up.
> # python quisk.py
> ============================================================
> If it complains not finding libcodec2, you'll need to add thes
> lines to
> /etc/ld.so.conf.d/libc.conf and run ldconfig.
```

> /usr/local/lib
> /usr/local/lib/arm-linux-gnueabihf
>
> If you hit problems, just ask.
> 73 ... Sid.
>
> On 26/10/15 07:20, Sid Boyce g3vbv@... <mailto:g3vbv@...>
> <mailto:g3vbv@... <mailto:g3vbv@...>> [n2adr-sdr] wrote:
> Hi Jim,
> I shall reply later with a list of pre-req packages that need to be
> installed and other helpful information.
>
> I recently replaced a Pi model B with a Pi 2 in my standalone
> HiQSDR.
> The Raspbian distribution is installed on the Pi 2 and runs quisk.
>
> There should be no problems running the digital modes natively. I
> haven't tried them under quisk as they worked natively before
> DGTL was
> included in quisk and worked well with the RXTX.
> 73 ... Sid.
>
> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>
> [n2adr-sdr] wrote:
> Hi - first post here for me, as I recall, and sorry if this is
> kinda
> long...
>
>
> I recently completed building a SoftRock Ensemble RXTX. I did my
> initial testing using Rocky. Reception results were quite good.
> Transmitting was so-so. Had several strange issues that seem to
> change
> based on the day of the week! Voltage, resistance, and current
> readings looked good except for the voltage at the dummy load
> terminals. I'm not completely convinced that I have a hardware
> problem, but possibly Rocky doing something screwy. To add to the
> confusion (mine) I run Rocky on Windows 8.1, but under VMware
> Fusion
> on an iMac running OSX. I set it up like this just to ensure
> that my
> hardware was working; my eventual plan was to run some SDR
> application
> on my RPi to speak with the RXTX.
>
>
> So, it appears that Quisk might be a real good choice for the
> RXTX and
> the RPi. But.... I'm not super experienced with Linux and
> wonder if it

> is something I can handle. Has anyone produced any sort of
> "cookbook"
> approach to installing Quisk on the RPi and making it work with an
> RXTX radio?
>
>
> One other thing to add is that I have an extra Tascam US-125M
> external
> USB sound card that I want to use. For certain it works on my
> iMac, as
> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
> It also
> "seems" to work with the RXTX in that kludgy Win8.1/VMware
> setup,with
> the RXTX...
>
>
> Any suggestions would be greatly appreciated.
>
>
> 73, Jim / W6JHB
>
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
> <quisk_conf.py.gz>
>
>
>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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1744. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 18:46:13 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1744

i dont think Jim intended quisk to be installed that way ...

try ...

from quisk folder ....

sudo python setup.py install

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 27 Oct 2015 11:39:05 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yep, I had a feeling I could skip that line. I did the cmake and all was OK at that point.

Did the make and then sudo make install - no problems there, either.
Changed to the quisk-3.7.7 folder and tried the make command there - it failed looking for pulse/pulseaudio.h - No such file or directory
What is needed to get past this one? :-)
Jim

On Tuesday, Oct 27, 2015, at Tuesday, 11:00 AM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:forget the part for ./configure when dealing with codec2-dev ....
that part is taken care of by the cmake script ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 27 Oct 2015 10:43:10 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Going back to the beginning. All runs fine until I get a “No such file or directory” for the ./configure command. How can I resolve this? Did some Googling, but nothing concrete to tell me where to go…

JimOn Monday, Oct 26, 2015, at Monday, 2:57 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:Hi Mike & Jim,My hurried instructions, codec2-dev needs those steps, then "make && make install".Jim, make && make install" says do "make" and if successful do "make install". It will only run "make install" if "make" completes without errors.You can of course run "make" and when it completes without errors, "make install".73 ... Sid.On 26/10/15 20:40, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
I think codec2-dev needs a few more steps to install

from the codec2-dev directory .....

mkdir buildcode
cd buildcode
cmake ../

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:36:29 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Sid, got some time this afternoon and got started. Unfortunately, didn't get too far! First off, figured out that I needed SUDO in front of the first apt-get command. That worked out OK, as best I can tell. Where I ran into trouble was at the ./configure command in the next steps, right after changing to the codec2-dev directory. I get a "No such file or directory". What's needed for this to work? Also, a bit further down at the make install command, is it really supposed to have two ampersands (&&) in the line? I ask this because I need to type the commands in by hand, as I've no easy way to get it from your email (on my Mac) over to the Raspberry Pi.

Jim

Jim Bennett / W6JHB
Folsom, CA

On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
<mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

There are some pre-reqs to be installed, this script will do it
for you.
Copy and paste it to a file and make it executable or you can Copy
and
paste from apt-get to a terminal and hit Enter.
-- CUT

#!/bin/sh
apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

-- CUT

***Ignore any lines with "konsole output" in this email ***. They are
put there by Copy & Paste from my terminal.
To enable FreeDV.
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
"cd codec2-dev"
"./configure"
"make && make install"
"cd quisk-3.7.7/freedvpkg"
"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
"cd quisk-3.7.7"
"make"
"python setup.py install"

Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
---------- CUT

SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
---------- CUT
---

cd quisk-3.7.7
Check your sound cards to see which is 0 and which is 1.
cat /proc/asound/cards
0 [NVidia]: HDA-Intel - HDA NVidia
HDA NVidia at 0xfae78000 irq 23
1 [Device]: USB-Audio - USB Sound Device
USB Sound Device at usb-0000:00:06.0-2, full speed
SOUND CARD SETUP
---
e.g:-
Sound card 0 is your on-board card --- Plug in Microphone and
Speakers.
Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
--> Line In and Rear --> Line Out.

"gzip -d quisk_conf.py" and copy it to your home directory as
~/.quisk_conf.py.
LAUNCH quisk with the following command in the quisk-3.7.7
directory or
simply type "quisk" to start it up.
python quisk.py
==========
If it complains not finding libcodec2, you'll need to add thes
lines to
/etc/ld.so.conf.d/libc.conf and run ldconfig.
/usr/local/lib
/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.
73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@...
<mailto:g3vbv@...> [n2adr-sdr] wrote:
Hi Jim,
I shall reply later with a list of pre-req packages that need to be
installed and other helpful information.

I recently replaced a Pi model B with a Pi 2 in my standalone
HiQSDR.
The Raspbian distribution is installed on the Pi 2 and runs quisk.

There should be no problems running the digital modes natively. I
haven't tried them under quisk as they worked natively before
DGTL was
included in quisk and worked well with the RXTX.

73 ... Sid.

On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
[n2adr-sdr] wrote:
Hi - first post here for me, as I recall, and sorry if this is
kinda
long...

I recently completed building a SoftRock Ensemble RXTX. I did my
initial testing using Rocky. Reception results were quite good.
Transmitting was so-so. Had several strange issues that seem to
change
based on the day of the week! Voltage, resistance, and current
readings looked good except for the voltage at the dummy load
terminals. I'm not completely convinced that I have a hardware
problem, but possibly Rocky doing something screwy. To add to the
confusion (mine) I run Rocky on Windows 8.1, but under VMware
Fusion
on an iMac running OSX. I set it up like this just to ensure
that my
hardware was working; my eventual plan was to run some SDR
application
on my RPi to speak with the RXTX.

So, it appears that Quisk might be a real good choice for the
RXTX and
the RPi. But.... I'm not super experienced with Linux and
wonder if it
is something I can handle. Has anyone produced any sort of
"cookbook"
approach to installing Quisk on the RPi and making it work with an
RXTX radio?

One other thing to add is that I have an extra Tascam US-125M
external
USB sound card that I want to use. For certain it works on my
iMac, as
I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
It also
"seems" to work with the RXTX in that kludgy Win8.1/VMware
setup,with
the RXTX...

Any suggestions would be greatly appreciated.

73, Jim / W6JHB

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

<quisk_conf.py.gz>

1745. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 18:50:05 UTC
From: James Bennett
Topic: 1724 Message: 1745

I get the same result when I tried that - it fails when looking for that pulseaudio stuff.

> On Tuesday, Oct 27, 2015, at Tuesday, 11:46 AM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> i dont think Jim intended quisk to be installed that way ...
>
> try ...
>
> from quisk folder ....
>
> sudo python setup.py install
>
> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Tue, 27 Oct 2015 11:39:05 -0700
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>
>
> Yep, I had a feeling I could skip that line. I did the cmake and all was OK at that point.
>
> Did the make and then sudo make install - no problems there, either.
>
> Changed to the quisk-3.7.7 folder and tried the make command there - it failed looking for pulse/pulseaudio.h - No such file or directory
>
> What is needed to get past this one? :-)
>
> Jim
>
>
> On Tuesday, Oct 27, 2015, at Tuesday, 11:00 AM, MIKE DURKIN Patriot121@... <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
> forget the part for ./configure when dealing with codec2-dev ....
> that part is taken care of by the cmake script ....
>
>

1746. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 21:47:33 UTC
From: Sid Boyce
Topic: 1724 Message: 1746

You can Cut & Paste the errors for more help.
All on the path to becoming an expert.

I once had to talk a ham through building and installing a linux kernel over the phone. After that exercise he was able to talk someone else through the same.

If you have trouble with sudo, open a terminal "sudo su" and give it your user password and it will change the prompt from $ to #. You can then enter all commands without sudo.

If you are user some commands that need root access will not work, e.g "make install", that then needs to be "sudo make install". Same "apt-get install xxx" would need "sudo apt-get install xxx".

svn co https://svn.code.sf.net/p/freetel/code/codec2-dev

cd codec2-dev
mkdir build
cd build
cmake ..
make -j 4
make -j 4 install
73 ... Sid.

On 27/10/15 04:05, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Wow - my head hurts. I ran some of the commands successfully, but had
> issues with others. I think perhaps many of the problems I encountered
> came from having some files at root and others not there, but in the
> pi directory. Would it be best for me to simply start over as root? By
> the way, I never was able to get that ./configure command to work.
> Ughhh...
>
> And now you can see just how much of a rookie I am with Linux!
>
> Jim
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> > On Oct 26, 2015, at 2:59 PM, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > "sudo apt-get", "sudo make install" if the commands are executed as
> user.

> > I usually do all that stuff as root.
> > 73 ... Sid.
> >
> >> On 26/10/15 20:44, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >>
> >> forgot to add ...
> >>
> >> sudo make install
> >>
> >> if you look in the codec2-dev folder you will see a file called
> >> "README" ... you can open with just about anything and read its
> >> contents ... my add on instructions are almost identical to the
> >> install portion ... not bad from memory
> >>
> >> --
> >> To: n2adr-sdr@yahoogroups.com
> >> From: n2adr-sdr@yahoogroups.com
> >> Date: Mon, 26 Oct 2015 13:40:11 -0700
> >> Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> >>
> >>
> >> I think codec2-dev needs a few more steps to install
> >>
> >> from the codec2-dev directory .....
> >>
> >> mkdir buildcode
> >> cd buildcode
> >> cmake ../
> >>
> >> --
> >> To: n2adr-sdr@yahoogroups.com
> >> From: n2adr-sdr@yahoogroups.com
> >> Date: Mon, 26 Oct 2015 13:36:29 -0700
> >> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> >>
> >>
> >> Sid, got some time this afternoon and got started. Unfortunately,
> >> didn't get too far! First off, figured out that I needed SUDO in front
> >> of the first apt-get command. That worked out OK, as best I can tell.
> >> Where I ran into trouble was at the ./configure command in the next
> >> steps, right after changing to the codec2-dev directory. I get a "No
> >> such file or directory". What's needed for this to work? Also, a bit
> >> further down at the make install command, is it really supposed to
> >> have two ampersands (&&) in the line? I ask this because I need to
> >> type the commands in by hand, as I've no easy way to get it from your
> >> email (on my Mac) over to the Raspberry Pi.
> >>
> >> Jim
> >>
> >> Jim Bennett / W6JHB

> >> Folsom, CA
> >>
> >> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
> >> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>
> >> There are some pre-reqs to be installed, this script will do it
> >> for you.
> >> Copy and paste it to a file and make it executable or you can Copy
> >> and
> >> paste from apt-get to a terminal and hit Enter.
> >> -- CUT
> >> --------------------------
> >> #!/bin/sh
> >> apt-get install libfftw3-dev libasound2-dev libportaudio2
> >> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> >> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
> >>
> >> -- CUT
> >> -------------------------
> >> ***Ignore any lines with "konsole output" in this email ***. They are
> >> put there by Copy & Paste from my terminal.
> >> To enable FreeDV.
> >> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
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> >> "cd quisk-3.7.7"
> >> "make"
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> >>
> >> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> >> -- CUT
> >> ----------------------------
> >> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
> >> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> >> -- CUT
> >> --
> >>
> >> # cd quisk-3.7.7
> >> Check your sound cards to see which is 0 and which is 1.
> >> # cat /proc/asound/cards
> >> 0 [NVidia]: HDA-Intel - HDA NVidia
> >> HDA NVidia at 0xfae78000 irq 23
> >> 1 [Device]: USB-Audio - USB Sound Device
> >> USB Sound Device at usb-0000:00:06.0-2, full speed
> >> SOUND CARD SETUP
> >> --------------------------

> >> e.g:-
> >> Sound card 0 is your on-board card --- Plug in Microphone and
> >> Speakers.
> >> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
> >> --> Line In and Rear --> Line Out.
> >>
> >> "gzip -d quisk_conf.py" and copy it to your home directory as
> >> ~/.quisk_conf.py.
> >> LAUNCH quisk with the following command in the quisk-3.7.7
> >> directory or
> >> simply type "quisk" to start it up.
> >> # python quisk.py
> >> ==
> >> If it complains not finding libcodec2, you'll need to add thes
> >> lines to
> >> /etc/ld.so.conf.d/libc.conf and run ldconfig.
> >> /usr/local/lib
> >> /usr/local/lib/arm-linux-gnueabihf
> >>
> >> If you hit problems, just ask.
> >> 73 ... Sid.
> >>
> >> On 26/10/15 07:20, Sid Boyce g3vbv@...
> >> <mailto:g3vbv@...> [n2adr-sdr] wrote:
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> >>> The Raspbian distribution is installed on the Pi 2 and runs quisk.
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> >> DGTL was
> >>> included in quisk and worked well with the RXTX.
> >>> 73 ... Sid.
> >>>
> >>> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
> >> [n2adr-sdr] wrote:
> >>>> Hi - first post here for me, as I recall, and sorry if this is
> >> kinda
> >>>> long...
> >>>>
> >>>>
> >>>> I recently completed building a SoftRock Ensemble RXTX. I did my
> >>>> initial testing using Rocky. Reception results were quite good.
> >>>> Transmitting was so-so. Had several strange issues that seem to
> >> change
> >>>> based on the day of the week! Voltage, resistance, and current

> >>>> readings looked good except for the voltage at the dummy load
> >>>> terminals. I'm not completely convinced that I have a hardware
> >>>> problem, but possibly Rocky doing something screwy. To add to the
> >>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware
> >> Fusion
> >>>> on an iMac running OSX. I set it up like this just to ensure
> >> that my
> >>>> hardware was working; my eventual plan was to run some SDR
> >> application
> >>>> on my RPi to speak with the RXTX.
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> >>>> is something I can handle. Has anyone produced any sort of
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> >>>> approach to installing Quisk on the RPi and making it work with an
> >>>> RXTX radio?
> >>>>
> >>>>
> >>>> One other thing to add is that I have an extra Tascam US-125M
> >> external
> >>>> USB sound card that I want to use. For certain it works on my
> >> iMac, as
> >>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
> >> It also
> >>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware
> >> setup,with
> >>>> the RXTX...
> >>>>
> >>>>
> >>>> Any suggestions would be greatly appreciated.
> >>>>
> >>>>
> >>>> 73, Jim / W6JHB
> >>
> >> --
> >> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> >> Senior Staff Specialist, Cricket Coach
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> >>
> >>
> >> <quisk_conf.py.gz>
> >
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> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1747. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 22:09:03 UTC
From: Sid Boyce
Topic: 1724 Message: 1747

Seems more packages required. Not all of these needed but they may come
in useful for other stuff later.

apt-get install libpulse-dev pulseaudio libpulse0 libpulsedsp
pulseaudio-module-gconf pulseaudio-module-x11
pulseaudio-module-zeroconf pulseaudio-utils
73 ... Sid.

On 27/10/15 18:50, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> I get the same result when I tried that - it fails when looking for
> that pulseaudio stuff.
>
>
>> On Tuesday, Oct 27, 2015, at Tuesday, 11:46 AM, MIKE DURKIN
>> Patriot121@... <mailto:Patriot121@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> i dont think Jim intended quisk to be installed that way ...
>>
>> try ...
>>
>> from quisk folder ....
>>
>> sudo python setup.py install
>>
>> ---
>> To:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Tue, 27 Oct 2015 11:39:05 -0700
>> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>>
>> Yep, I had a feeling I could skip that line. I did the cmake and all
>> was OK at that point.
>>
>> Did the make and then sudo make install - no problems there, either.
>>
>> Changed to the quisk-3.7.7 folder and tried the make command there -
>> it failed looking for pulse/pulseaudio.h - No such file or directory
>>
>> What is needed to get past this one? :-)
>>
>> Jim
>>

>>
>> On Tuesday, Oct 27, 2015, at Tuesday, 11:00 AM, MIKE
>> DURKINPatriot121@... <mailto:Patriot121@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> forget the part for ./configure when dealing with codec2-dev ....
>> that part is taken care of by the cmake script ....
>>
>>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1748. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 22:17:31 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1748

Sid ...

Whats the diference between

cmake ../

and

cmake ..

Mike KC7NOA

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Tue, 27 Oct 2015 21:47:33 +0000
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>
> You can Cut & Paste the errors for more help.
> All on the path to becoming an expert.
>
> I once had to talk a ham through building and installing a linux kernel
> over the phone. After that exercise he was able to talk someone else
> through the same.
>
> If you have trouble with sudo, open a terminal "sudo su" and give it
> your user password and it will change the prompt from $ to #. You can
> then enter all commands without sudo.
>
> If you are user some commands that need root access will not work, e.g
> "make install", that then needs to be "sudo make install". Same "apt-get
> install xxx" would need "sudo apt-get install xxx".
>
> svn co https://svn.code.sf.net/p/freetel/code/codec2-dev
>
> cd codec2-dev
> mkdir build
> cd build
> cmake ..
> make -j 4
> make -j 4 install
> 73 ... Sid.
>
> On 27/10/15 04:05, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >
> > Wow - my head hurts. I ran some of the commands successfully, but had
> > issues with others. I think perhaps many of the problems I encountered

> > came from having some files at root and others not there, but in the
> > pi directory. Would it be best for me to simply start over as root? By
> > the way, I never was able to get that ./configure command to work.
> > Ughhh...
> >
> > And now you can see just how much of a rookie I am with Linux!
> >
> > Jim
> >
> > Jim Bennett / W6JHB
> > Folsom, CA
> >
> > > On Oct 26, 2015, at 2:59 PM, Sid Boyce g3vbv@...
> > [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> > >
> > > "sudo apt-get", "sudo make install" if the commands are executed as
> > user.
> > > I usually do all that stuff as root.
> > > 73 ... Sid.
> > >
> > >> On 26/10/15 20:44, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > >>
> > >> forgot to add ...
> > >>
> > >> sudo make install
> > >>
> > >> if you look in the codec2-dev folder you will see a file called
> > >> "README" ... you can open with just about anything and read its
> > >> contents ... my add on instructions are almost identical to the
> > >> install portion ... not bad from memory
> > >>
> > >> --
> > >> To: n2adr-sdr@yahoogroups.com
> > >> From: n2adr-sdr@yahoogroups.com
> > >> Date: Mon, 26 Oct 2015 13:40:11 -0700
> > >> Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> > >>
> > >>
> > >> I think codec2-dev needs a few more steps to install
> > >>
> > >> from the codec2-dev directory .....
> > >>
> > >> mkdir buildcode
> > >> cd buildcode
> > >> cmake ../
> > >>
> > >> --
> > >> To: n2adr-sdr@yahoogroups.com
> > >> From: n2adr-sdr@yahoogroups.com
> > >> Date: Mon, 26 Oct 2015 13:36:29 -0700

> > >> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> > >>
> > >>
> > >> Sid, got some time this afternoon and got started. Unfortunately,
> > >> didn't get too far! First off, figured out that I needed SUDO in front
> > >> of the first apt-get command. That worked out OK, as best I can tell.
> > >> Where I ran into trouble was at the ./configure command in the next
> > >> steps, right after changing to the codec2-dev directory. I get a "No
> > >> such file or directory". What's needed for this to work? Also, a bit
> > >> further down at the make install command, is it really supposed to
> > >> have two ampersands (&&) in the line? I ask this because I need to
> > >> type the commands in by hand, as I've no easy way to get it from your
> > >> email (on my Mac) over to the Raspberry Pi.
> > >>
> > >> Jim
> > >>
> > >> Jim Bennett / W6JHB
> > >> Folsom, CA
> > >>
> > >> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
> > >> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> > >>
> > >> There are some pre-reqs to be installed, this script will do it
> > >> for you.
> > >> Copy and paste it to a file and make it executable or you can Copy
> > >> and
> > >> paste from apt-get to a terminal and hit Enter.
> > >> -- CUT
> > >> ----------------------------
> > >> #!/bin/sh
> > >> apt-get install libfftw3-dev libasound2-dev libportaudio2
> > >> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> > >> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
> > >>
> > >> -- CUT
> > >> -------------------------
> > >> ***Ignore any lines with "konsole output" in this email ***. They are
> > >> put there by Copy & Paste from my terminal.
> > >> To enable FreeDV.
> > >> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> > >> "cd codec2-dev"
> > >> "./configure"
> > >> "make && make install"
> > >> "cd quisk-3.7.7/freedvpkg"
> > >> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
> > >> "cd quisk-3.7.7"
> > >> "make"
> > >> "python setup.py install"
> > >>

> > >> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> > >> -- CUT
> > >> ----------------------------
> > >> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
> > >> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> > >> -- CUT
> > >> --
> > >>
> > >> # cd quisk-3.7.7
> > >> Check your sound cards to see which is 0 and which is 1.
> > >> # cat /proc/asound/cards
> > >> 0 [NVidia]: HDA-Intel - HDA NVidia
> > >> HDA NVidia at 0xfae78000 irq 23
> > >> 1 [Device]: USB-Audio - USB Sound Device
> > >> USB Sound Device at usb-0000:00:06.0-2, full speed
> > >> SOUND CARD SETUP
> > >> ----------------------------
> > >> e.g:-
> > >> Sound card 0 is your on-board card --- Plug in Microphone and
> > >> Speakers.
> > >> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
> > >> --> Line In and Rear --> Line Out.
> > >>
> > >> "gzip -d quisk_conf.py" and copy it to your home directory as
> > >> ~/.quisk_conf.py.
> > >> LAUNCH quisk with the following command in the quisk-3.7.7
> > >> directory or
> > >> simply type "quisk" to start it up.
> > >> # python quisk.py
> > >> ==
> > >> If it complains not finding libcodec2, you'll need to add thes
> > >> lines to
> > >> /etc/ld.so.conf.d/libc.conf and run ldconfig.
> > >> /usr/local/lib
> > >> /usr/local/lib/arm-linux-gnueabihf
> > >>
> > >> If you hit problems, just ask.
> > >> 73 ... Sid.
> > >>
> > >> On 26/10/15 07:20, Sid Boyce g3vbv@...
> > >> <mailto:g3vbv@...> [n2adr-sdr] wrote:
> > >>> Hi Jim,
> > >>> I shall reply later with a list of pre-req packages that need to be
> > >>> installed and other helpful information.
> > >>>
> > >>> I recently replaced a Pi model B with a Pi 2 in my standalone
> > >> HiQSDR.
> > >>> The Raspbian distribution is installed on the Pi 2 and runs quisk.
> > >>>
> > >>> There should be no problems running the digital modes natively. I

> > >>> haven't tried them under quisk as they worked natively before
> > >> DGTL was
> > >>> included in quisk and worked well with the RXTX.
> > >>> 73 ... Sid.
> > >>>
> > >>> On 26/10/15 05:15, w6jhb@me.com <mailto:w6jhb@...>
> > >> [n2adr-sdr] wrote:
> > >>>> Hi - first post here for me, as I recall, and sorry if this is
> > >> kinda
> > >>>> long...
> > >>>>
> > >>>>
> > >>>> I recently completed building a SoftRock Ensemble RXTX. I did my
> > >>>> initial testing using Rocky. Reception results were quite good.
> > >>>> Transmitting was so-so. Had several strange issues that seem to
> > >> change
> > >>>> based on the day of the week! Voltage, resistance, and current
> > >>>> readings looked good except for the voltage at the dummy load
> > >>>> terminals. I'm not completely convinced that I have a hardware
> > >>>> problem, but possibly Rocky doing something screwy. To add to the
> > >>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware
> > >> Fusion
> > >>>> on an iMac running OSX. I set it up like this just to ensure
> > >> that my
> > >>>> hardware was working; my eventual plan was to run some SDR
> > >> application
> > >>>> on my RPi to speak with the RXTX.
> > >>>>
> > >>>>
> > >>>> So, it appears that Quisk might be a real good choice for the
> > >> RXTX and
> > >>>> the RPi. But.... I'm not super experienced with Linux and
> > >> wonder if it
> > >>>> is something I can handle. Has anyone produced any sort of
> > >> "cookbook"
> > >>>> approach to installing Quisk on the RPi and making it work with an
> > >>>> RXTX radio?
> > >>>>
> > >>>>
> > >>>> One other thing to add is that I have an extra Tascam US-125M
> > >> external
> > >>>> USB sound card that I want to use. For certain it works on my
> > >> iMac, as
> > >>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
> > >> It also
> > >>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware
> > >> setup,with
> > >>>> the RXTX...
> > >>>>
> > >>>>

> > >>>> Any suggestions would be greatly appreciated.
> > >>>>
> > >>>>
> > >>>> 73, Jim / W6JHB
> > >>
> > >> --
> > >> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > >> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > >> Senior Staff Specialist, Cricket Coach
> > >> Microsoft Windows Free Zone - Linux used for all Computing Tasks
> > >>
> > >>
> > >> <quisk_conf.py.gz>
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
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> > > Yahoo Groups Links
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> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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1749. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 22:55:17 UTC
From: Sid Boyce
Topic: 1724 Message: 1749

No difference at all, both says one directory back.
Whatever the user fancies, I have always used .. when ../ is stated,
some prefer ../

"cd ../.." or "cd ../../" to go 2 directories back.

ghpsdr3-alex/trunk/src/QtRadio
"cd ../../.." or "cd ../../../" takes you back to ghpsdr3-alex.
73 ... Sid.

On 27/10/15 22:17, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Sid ...
>
> Whats the diference between
>
> cmake ../
>
> and
>
> cmake ..
>
> Mike KC7NOA
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Tue, 27 Oct 2015 21:47:33 +0000
> > Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> >
> > You can Cut & Paste the errors for more help.
> > All on the path to becoming an expert.
> >
> > I once had to talk a ham through building and installing a linux kernel
> > over the phone. After that exercise he was able to talk someone else
> > through the same.
> >
> > If you have trouble with sudo, open a terminal "sudo su" and give it
> > your user password and it will change the prompt from $ to #. You can
> > then enter all commands without sudo.
> >
> > If you are user some commands that need root access will not work, e.g
> > "make install", that then needs to be "sudo make install". Same
> "apt-get
> > install xxx" would need "sudo apt-get install xxx".
> >
> > svn co https://svn.code.sf.net/p/freetel/code/codec2-dev

> >
> > cd codec2-dev
> > mkdir build
> > cd build
> > cmake ..
> > make -j 4
> > make -j 4 install
> > 73 ... Sid.
> >
> > On 27/10/15 04:05, James Bennett w6jhb@... [n2adr-sdr] wrote:
> > >
> > > Wow - my head hurts. I ran some of the commands successfully, but had
> > > issues with others. I think perhaps many of the problems I
> encountered
> > > came from having some files at root and others not there, but in the
> > > pi directory. Would it be best for me to simply start over as
> root? By
> > > the way, I never was able to get that ./configure command to work.
> > > Ughhh...
> > >
> > > And now you can see just how much of a rookie I am with Linux!
> > >
> > > Jim
> > >
> > > Jim Bennett / W6JHB
> > > Folsom, CA
> > >
> > > > On Oct 26, 2015, at 2:59 PM, Sid Boyce g3vbv@...
> > > [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> > > >
> > > > "sudo apt-get", "sudo make install" if the commands are executed as
> > > user.
> > > > I usually do all that stuff as root.
> > > > 73 ... Sid.
> > > >
> > > >> On 26/10/15 20:44, MIKE DURKIN Patriot121@... [n2adr-sdr]
> wrote:
> > > >>
> > > >> forgot to add ...
> > > >>
> > > >> sudo make install
> > > >>
> > > >> if you look in the codec2-dev folder you will see a file called
> > > >> "README" ... you can open with just about anything and read its
> > > >> contents ... my add on instructions are almost identical to the
> > > >> install portion ... not bad from memory
> > > >>
> > > >> --
> > > >> To: n2adr-sdr@yahoogroups.com
> > > >> From: n2adr-sdr@yahoogroups.com

> > > >> Date: Mon, 26 Oct 2015 13:40:11 -0700
> > > >> Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> > > >>
> > > >>
> > > >> I think codec2-dev needs a few more steps to install
> > > >>
> > > >> from the codec2-dev directory .....
> > > >>
> > > >> mkdir buildcode
> > > >> cd buildcode
> > > >> cmake ../
> > > >>
> > > >> --
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> > > >> From: n2adr-sdr@yahoogroups.com
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> > > >>
> > > >>
> > > >> Sid, got some time this afternoon and got started. Unfortunately,
> > > >> didn't get too far! First off, figured out that I needed SUDO
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> tell.
> > > >> Where I ran into trouble was at the ./configure command in the next
> > > >> steps, right after changing to the codec2-dev directory. I get
> a "No
> > > >> such file or directory". What's needed for this to work? Also,
> a bit
> > > >> further down at the make install command, is it really supposed to
> > > >> have two ampersands (&&) in the line? I ask this because I need to
> > > >> type the commands in by hand, as I've no easy way to get it
> from your
> > > >> email (on my Mac) over to the Raspberry Pi.
> > > >>
> > > >> Jim
> > > >>
> > > >> Jim Bennett / W6JHB
> > > >> Folsom, CA
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> > > >> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
> > > >> <mailto:g3vbv@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> > > >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> > > >>
> > > >> There are some pre-reqs to be installed, this script will do it
> > > >> for you.
> > > >> Copy and paste it to a file and make it executable or you can Copy
> > > >> and
> > > >> paste from apt-get to a terminal and hit Enter.

> > > >> -- CUT
> > > >> ---------------------------
> > > >> #!/bin/sh
> > > >> apt-get install libfftw3-dev libasound2-dev libportaudio2
> > > >> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> > > >> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
> > > >>
> > > >> -- CUT
> > > >> --------------------------
> > > >> ***Ignore any lines with "konsole output" in this email ***.
> They are
> > > >> put there by Copy & Paste from my terminal.
> > > >> To enable FreeDV.
> > > >> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
> > > >> "cd codec2-dev"
> > > >> "./configure"
> > > >> "make && make install"
> > > >> "cd quisk-3.7.7/freedvpkg"
> > > >> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
> > > >> "cd quisk-3.7.7"
> > > >> "make"
> > > >> "python setup.py install"
> > > >>
> > > >> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
> > > >> -- CUT
> > > >> ----------------------------
> > > >> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
> > > >> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
> > > >> ------------------------------------- CUT
> > > >> --
> > > >>
> > > >> # cd quisk-3.7.7
> > > >> Check your sound cards to see which is 0 and which is 1.
> > > >> # cat /proc/asound/cards
> > > >> 0 [NVidia]: HDA-Intel - HDA NVidia
> > > >> HDA NVidia at 0xfae78000 irq 23
> > > >> 1 [Device]: USB-Audio - USB Sound Device
> > > >> USB Sound Device at usb-0000:00:06.0-2, full speed
> > > >> SOUND CARD SETUP
> > > >> ---------------------------
> > > >> e.g:-
> > > >> Sound card 0 is your on-board card --- Plug in Microphone and
> > > >> Speakers.
> > > >> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock -
> Line In
> > > >> --> Line In and Rear --> Line Out.
> > > >>
> > > >> "gzip -d quisk_conf.py" and copy it to your home directory as
> > > >> ~/.quisk_conf.py.
> > > >> LAUNCH quisk with the following command in the quisk-3.7.7

> > > >> directory or
> > > >> simply type "quisk" to start it up.
> > > >> # python quisk.py
> > > >> ==
> > > >> If it complains not finding libcodec2, you'll need to add thes
> > > >> lines to
> > > >> /etc/ld.so.conf.d/libc.conf and run ldconfig.
> > > >> /usr/local/lib
> > > >> /usr/local/lib/arm-linux-gnueabihf
> > > >>
> > > >> If you hit problems, just ask.
> > > >> 73 ... Sid.
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> > > >> On 26/10/15 07:20, Sid Boyce g3vbv@...
> > > >> <mailto:g3vbv@...> [n2adr-sdr] wrote:
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> > > >>>
> > > >>> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
> > > >> [n2adr-sdr] wrote:
> > > >>>> Hi - first post here for me, as I recall, and sorry if this is
> > > >> kinda
> > > >>>> long...
> > > >>>>
> > > >>>>
> > > >>>> I recently completed building a SoftRock Ensemble RXTX. I did my
> > > >>>> initial testing using Rocky. Reception results were quite good.
> > > >>>> Transmitting was so-so. Had several strange issues that seem to
> > > >> change
> > > >>>> based on the day of the week! Voltage, resistance, and current
> > > >>>> readings looked good except for the voltage at the dummy load
> > > >>>> terminals. I'm not completely convinced that I have a hardware
> > > >>>> problem, but possibly Rocky doing something screwy. To add to the
> > > >>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware
> > > >> Fusion
> > > >>>> on an iMac running OSX. I set it up like this just to ensure
> > > >> that my
> > > >>>> hardware was working; my eventual plan was to run some SDR

> > > >> application
> > > >>>> on my RPi to speak with the RXTX.
> > > >>>>
> > > >>>>
> > > >>>> So, it appears that Quisk might be a real good choice for the
> > > >> RXTX and
> > > >>>> the RPi. But.... I'm not super experienced with Linux and
> > > >> wonder if it
> > > >>>> is something I can handle. Has anyone produced any sort of
> > > >> "cookbook"
> > > >>>> approach to installing Quisk on the RPi and making it work
> with an
> > > >>>> RXTX radio?
> > > >>>>
> > > >>>>
> > > >>>> One other thing to add is that I have an extra Tascam US-125M
> > > >> external
> > > >>>> USB sound card that I want to use. For certain it works on my
> > > >> iMac, as
> > > >>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
> > > >> It also
> > > >>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware
> > > >> setup,with
> > > >>>> the RXTX...
> > > >>>>
> > > >>>>
> > > >>>> Any suggestions would be greatly appreciated.
> > > >>>>
> > > >>>>
> > > >>>> 73, Jim / W6JHB
> > > >>
> > > >> --
> > > >> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > >> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > >> Senior Staff Specialist, Cricket Coach
> > > >> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> > > >>
> > > >> <quisk_conf.py.gz>
> > > >
> > > >
> > > > --
> > > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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1750. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-27 23:57:23 UTC
From: James Bennett
Topic: 1724 Message: 1750

Yes, I had intended to do just that (post the error message). However, technology has gotten in the way! I thought I'd just cut/paste those errors into a mail message in my Yahoo account and send it over to my ARRL.Net <http://arrl.net/> account where I could reply to the group. But, as the electron Gods saw fit, for some reason on my RPi, I am today unable to either compose a new email or even reply to one. I click on the compose icon in Yahoo mail and it simply ignores me. Have re-booted the RPi and got no change. I've never been in love with Yahoo mail and today puts an exclamation point on it. I suppose I should investigate another mail client and server, but that's just one more thing on the "to do" list for this SoftRock project. Arrghhhhh…….

Jim

> On Tuesday, Oct 27, 2015, at Tuesday, 2:47 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> You can Cut & Paste the errors for more help.
> All on the path to becoming an expert.
>
> I once had to talk a ham through building and installing a linux kernel
> over the phone. After that exercise he was able to talk someone else
> through the same.
>
> If you have trouble with sudo, open a terminal "sudo su" and give it
> your user password and it will change the prompt from $ to #. You can
> then enter all commands without sudo.
>
> If you are user some commands that need root access will not work, e.g
> "make install", that then needs to be "sudo make install". Same "apt-get
> install xxx" would need "sudo apt-get install xxx".
>
> svn co https://svn.code.sf.net/p/freetel/code/codec2-dev <https://svn.code.sf.net/p/freetel/code/codec2-dev>
>
> cd codec2-dev
> mkdir build
> cd build
> cmake ..
> make -j 4
> make -j 4 install
> 73 ... Sid.
>
> On 27/10/15 04:05, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:
>>
>> Wow - my head hurts. I ran some of the commands successfully, but had
>> issues with others. I think perhaps many of the problems I encountered

>> came from having some files at root and others not there, but in the
>> pi directory. Would it be best for me to simply start over as root? By
>> the way, I never was able to get that ./configure command to work.
>> Ughhh...
>>
>> And now you can see just how much of a rookie I am with Linux!
>>
>> Jim
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>>> On Oct 26, 2015, at 2:59 PM, Sid Boyce g3vbv@...
>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>
>>> "sudo apt-get", "sudo make install" if the commands are executed as
>> user.
>>> I usually do all that stuff as root.
>>> 73 ... Sid.
>>>
>>>> On 26/10/15 20:44, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] wrote:
>>>>
>>>> forgot to add ...
>>>>
>>>> sudo make install
>>>>
>>>> if you look in the codec2-dev folder you will see a file called
>>>> "README" ... you can open with just about anything and read its
>>>> contents ... my add on instructions are almost identical to the
>>>> install portion ... not bad from memory
>>>>
>>>> ---
>>>> To: n2adr-sdr@yahoogroups.com
>>>> From: n2adr-sdr@yahoogroups.com
>>>> Date: Mon, 26 Oct 2015 13:40:11 -0700
>>>> Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>>>>
>>>>
>>>> I think codec2-dev needs a few more steps to install
>>>>
>>>> from the codec2-dev directory .....
>>>>
>>>> mkdir buildcode
>>>> cd buildcode
>>>> cmake ../
>>>>
>>>> ---
>>>> To: n2adr-sdr@yahoogroups.com
>>>> From: n2adr-sdr@yahoogroups.com
>>>> Date: Mon, 26 Oct 2015 13:36:29 -0700

>>>> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>>>>
>>>>
>>>> Sid, got some time this afternoon and got started. Unfortunately,
>>>> didn't get too far! First off, figured out that I needed SUDO in front
>>>> of the first apt-get command. That worked out OK, as best I can tell.
>>>> Where I ran into trouble was at the ./configure command in the next
>>>> steps, right after changing to the codec2-dev directory. I get a "No
>>>> such file or directory". What's needed for this to work? Also, a bit
>>>> further down at the make install command, is it really supposed to
>>>> have two ampersands (&&) in the line? I ask this because I need to
>>>> type the commands in by hand, as I've no easy way to get it from your
>>>> email (on my Mac) over to the Raspberry Pi.
>>>>
>>>> Jim
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
>>>> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>> There are some pre-reqs to be installed, this script will do it
>>>> for you.
>>>> Copy and paste it to a file and make it executable or you can Copy
>>>> and
>>>> paste from apt-get to a terminal and hit Enter.
>>>> -- CUT
>>>> ----------------------------
>>>> #!/bin/sh
>>>> apt-get install libfftw3-dev libasound2-dev libportaudio2
>>>> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
>>>> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev
>>>>
>>>> -- CUT
>>>> -------------------------
>>>> ***Ignore any lines with "konsole output" in this email ***. They are
>>>> put there by Copy & Paste from my terminal.
>>>> To enable FreeDV.
>>>> "svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
>>>> "cd codec2-dev"
>>>> "./configure"
>>>> "make && make install"
>>>> "cd quisk-3.7.7/freedvpkg"
>>>> "cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
>>>> "cd quisk-3.7.7"
>>>> "make"
>>>> "python setup.py install"
>>>>

>>>> Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
>>>> -- CUT
>>>> ----------------------------
>>>> SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
>>>> ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
>>>> -- CUT
>>>> --
>>>>
>>>> # cd quisk-3.7.7
>>>> Check your sound cards to see which is 0 and which is 1.
>>>> # cat /proc/asound/cards
>>>> 0 [NVidia]: HDA-Intel - HDA NVidia
>>>> HDA NVidia at 0xfae78000 irq 23
>>>> 1 [Device]: USB-Audio - USB Sound Device
>>>> USB Sound Device at usb-0000:00:06.0-2, full speed
>>>> SOUND CARD SETUP
>>>> ---------------------------
>>>> e.g:-
>>>> Sound card 0 is your on-board card --- Plug in Microphone and
>>>> Speakers.
>>>> Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
>>>> --> Line In and Rear --> Line Out.
>>>>
>>>> "gzip -d quisk_conf.py" and copy it to your home directory as
>>>> ~/.quisk_conf.py.
>>>> LAUNCH quisk with the following command in the quisk-3.7.7
>>>> directory or
>>>> simply type "quisk" to start it up.
>>>> # python quisk.py
>>>> ==
>>>> If it complains not finding libcodec2, you'll need to add thes
>>>> lines to
>>>> /etc/ld.so.conf.d/libc.conf and run ldconfig.
>>>> /usr/local/lib
>>>> /usr/local/lib/arm-linux-gnueabihf
>>>>
>>>> If you hit problems, just ask.
>>>> 73 ... Sid.
>>>>
>>>> On 26/10/15 07:20, Sid Boyce g3vbv@...
>>>> <mailto:g3vbv@...> [n2adr-sdr] wrote:
>>>>> Hi Jim,
>>>>> I shall reply later with a list of pre-req packages that need to be
>>>>> installed and other helpful information.
>>>>>
>>>>> I recently replaced a Pi model B with a Pi 2 in my standalone
>>>> HiQSDR.
>>>>> The Raspbian distribution is installed on the Pi 2 and runs quisk.
>>>>>
>>>>> There should be no problems running the digital modes natively. I

>>>>> haven't tried them under quisk as they worked natively before
>>>> DGTL was
>>>>> included in quisk and worked well with the RXTX.
>>>>> 73 ... Sid.
>>>>>
>>>>> On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
>>>> [n2adr-sdr] wrote:
>>>>>> Hi - first post here for me, as I recall, and sorry if this is
>>>> kinda
>>>>>> long...
>>>>>>
>>>>>>
>>>>>> I recently completed building a SoftRock Ensemble RXTX. I did my
>>>>>> initial testing using Rocky. Reception results were quite good.
>>>>>> Transmitting was so-so. Had several strange issues that seem to
>>>> change
>>>>>> based on the day of the week! Voltage, resistance, and current
>>>>>> readings looked good except for the voltage at the dummy load
>>>>>> terminals. I'm not completely convinced that I have a hardware
>>>>>> problem, but possibly Rocky doing something screwy. To add to the
>>>>>> confusion (mine) I run Rocky on Windows 8.1, but under VMware
>>>> Fusion
>>>>>> on an iMac running OSX. I set it up like this just to ensure
>>>> that my
>>>>>> hardware was working; my eventual plan was to run some SDR
>>>> application
>>>>>> on my RPi to speak with the RXTX.
>>>>>>
>>>>>>
>>>>>> So, it appears that Quisk might be a real good choice for the
>>>> RXTX and
>>>>>> the RPi. But.... I'm not super experienced with Linux and
>>>> wonder if it
>>>>>> is something I can handle. Has anyone produced any sort of
>>>> "cookbook"
>>>>>> approach to installing Quisk on the RPi and making it work with an
>>>>>> RXTX radio?
>>>>>>
>>>>>>
>>>>>> One other thing to add is that I have an extra Tascam US-125M
>>>> external
>>>>>> USB sound card that I want to use. For certain it works on my
>>>> iMac, as
>>>>>> I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
>>>> It also
>>>>>> "seems" to work with the RXTX in that kludgy Win8.1/VMware
>>>> setup,with
>>>>>> the RXTX...
>>>>>>
>>>>>>

>>>>>> Any suggestions would be greatly appreciated.
>>>>>>
>>>>>>
>>>>>> 73, Jim / W6JHB
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>> Senior Staff Specialist, Cricket Coach
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>>>>
>>>>
>>>> <quisk_conf.py.gz>
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>> Senior Staff Specialist, Cricket Coach
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1751. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-28 00:45:31 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1751

I use gmail on my arm ... to send my data etc to me intel based machine to copy/paste into the yahoo email ..... go figure.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 27 Oct 2015 16:57:23 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yes, I had intended to do just that (post the error message). However, technology has gotten in the way! I thought I'd just cut/paste those errors into a mail message in my Yahoo account and send it over to my ARRL.Net account where I could reply to the group. But, as the electron Gods saw fit, for some reason on my RPi, I am today unable to either compose a new email or even reply to one. I click on the compose icon in Yahoo mail and it simply ignores me. Have re-booted the RPi and got no change. I've never been in love with Yahoo mail and today puts an exclamation point on it. I suppose I should investigate another mail client and server, but that's just one more thing on the "to do" list for this SoftRock project. Arrghhhhh…….

Jim

On Tuesday, Oct 27, 2015, at Tuesday, 2:47 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:You can Cut & Paste the errors for more help.All on the path to becoming an expert.I once had to talk a ham through building and installing a linux kernel over the phone. After that exercise he was able to talk someone else through the same.If you have trouble with sudo, open a terminal "sudo su" and give it your user password and it will change the prompt from $ to #. You can then enter all commands without sudo.If you are user some commands that need root access will not work, e.g "make install", that then needs to be "sudo make install". Same "apt-get install xxx" would need "sudo apt-get install xxx".svn co https://svn.code.sf.net/p/freetel/code/codec2-devcd codec2-devmkdir buildcd buildcmake ..make -j 4make -j 4 install73 ... Sid.On 27/10/15 04:05, James Bennett w6jhb@... [n2adr-sdr] wrote:
Wow - my head hurts. I ran some of the commands successfully, but had
issues with others. I think perhaps many of the problems I encountered
came from having some files at root and others not there, but in the
pi directory. Would it be best for me to simply start over as root? By
the way, I never was able to get that ./configure command to work.
Ughhh...

And now you can see just how much of a rookie I am with Linux!

Jim

Jim Bennett / W6JHB
Folsom, CA

On Oct 26, 2015, at 2:59 PM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

"sudo apt-get", "sudo make install" if the commands are executed as
user.
I usually do all that stuff as root.
73 ... Sid.

On 26/10/15 20:44, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] wrote:

forgot to add ...

sudo make install

if you look in the codec2-dev folder you will see a file called
"README" ... you can open with just about anything and read its
contents ... my add on instructions are almost identical to the
install portion ... not bad from memory

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:40:11 -0700
Subject: RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

I think codec2-dev needs a few more steps to install

from the codec2-dev directory .....

mkdir buildcode
cd buildcode
cmake ../

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 26 Oct 2015 13:36:29 -0700
Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Sid, got some time this afternoon and got started. Unfortunately,
didn't get too far! First off, figured out that I needed SUDO in front
of the first apt-get command. That worked out OK, as best I can tell.
Where I ran into trouble was at the ./configure command in the next
steps, right after changing to the codec2-dev directory. I get a "No
such file or directory". What's needed for this to work? Also, a bit
further down at the make install command, is it really supposed to
have two ampersands (&&) in the line? I ask this because I need to
type the commands in by hand, as I've no easy way to get it from your
email (on my Mac) over to the Raspberry Pi.

Jim

Jim Bennett / W6JHB
Folsom, CA

On Oct 26, 2015, at 4:49 AM, Sid Boyce g3vbv@...
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<mailto:n2adr-sdr@yahoogroups.com>> wrote:

```
There are some pre-reqs to be installed, this script will do it
for you.
Copy and paste it to a file and make it executable or you can Copy
and
paste from apt-get to a terminal and hit Enter.
------------------------------------------------------------ CUT
--------------------------
#!/bin/sh
apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev

------------------------------------------------------------ CUT
-------------------------
***Ignore any lines with "konsole output" in this email ***. They are
put there by Copy & Paste from my terminal.
To enable FreeDV.
"svn co https://svn.code.sf.net/p/freetel/code/codec2-dev"
"cd codec2-dev"
"./configure"
"make && make install"
"cd quisk-3.7.7/freedvpkg"
"cp /usr/local/lib/arm-linux-gnueabihf/libcodec2.so* ."
"cd quisk-3.7.7"
"make"
"python setup.py install"

Copy and paste the next line to /etc/udev/rules.d/99-softrock.rules
------------------------------------------------------------ CUT
----------------------------
SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
--------------------------------------- CUT
-----------------------------------------

# cd quisk-3.7.7
Check your sound cards to see which is 0 and which is 1.
# cat /proc/asound/cards
0 [NVidia ]: HDA-Intel - HDA NVidia
HDA NVidia at 0xfae78000 irq 23
1 [Device ]: USB-Audio - USB Sound Device
USB Sound Device at usb-0000:00:06.0-2, full speed
SOUND CARD SETUP
----------------------------
e.g:-
Sound card 0 is your on-board card --- Plug in Microphone and
Speakers.
Sound card 1 is Soundblaster X-Fi USB - Connect to Softrock - Line In
--> Line In and Rear --> Line Out.
```

"gzip -d quisk_conf.py" and copy it to your home directory as
~/.quisk_conf.py.
LAUNCH quisk with the following command in the quisk-3.7.7
directory or
simply type "quisk" to start it up.
python quisk.py
==
If it complains not finding libcodec2, you'll need to add thes
lines to
/etc/ld.so.conf.d/libc.conf and run ldconfig.
/usr/local/lib
/usr/local/lib/arm-linux-gnueabihf

If you hit problems, just ask.
73 ... Sid.

On 26/10/15 07:20, Sid Boyce g3vbv@....uk
<mailto:g3vbv@...> [n2adr-sdr] wrote:
Hi Jim,
I shall reply later with a list of pre-req packages that need to be
installed and other helpful information.

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HiQSDR.
The Raspbian distribution is installed on the Pi 2 and runs quisk.

There should be no problems running the digital modes natively. I
haven't tried them under quisk as they worked natively before
DGTL was
included in quisk and worked well with the RXTX.
73 ... Sid.

On 26/10/15 05:15, w6jhb@... <mailto:w6jhb@...>
[n2adr-sdr] wrote:
Hi - first post here for me, as I recall, and sorry if this is
kinda
long...

I recently completed building a SoftRock Ensemble RXTX. I did my
initial testing using Rocky. Reception results were quite good.
Transmitting was so-so. Had several strange issues that seem to
change
based on the day of the week! Voltage, resistance, and current
readings looked good except for the voltage at the dummy load
terminals. I'm not completely convinced that I have a hardware
problem, but possibly Rocky doing something screwy. To add to the
confusion (mine) I run Rocky on Windows 8.1, but under VMware
Fusion
on an iMac running OSX. I set it up like this just to ensure
that my
hardware was working; my eventual plan was to run some SDR
application
on my RPi to speak with the RXTX.

So, it appears that Quisk might be a real good choice for the
RXTX and
the RPi. But.... I'm not super experienced with Linux and
wonder if it
is something I can handle. Has anyone produced any sort of
"cookbook"
approach to installing Quisk on the RPi and making it work with an
RXTX radio?

One other thing to add is that I have an extra Tascam US-125M
external
USB sound card that I want to use. For certain it works on my
iMac, as
I have used it with my Elecraft K3 to do JT65, JT9, and PSK31.
It also
"seems" to work with the RXTX in that kludgy Win8.1/VMware
setup,with
the RXTX...

Any suggestions would be greatly appreciated.

73, Jim / W6JHB

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

<quisk_conf.py.gz>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

1752. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-28 01:45:49 UTC
From: James Bennett
Topic: 1724 Message: 1752

I installed Chromium on the RPi and Yahoo mail works on that browser, but not on the supplied Epiphany browser, although it did yesterday. Maybe it only works on Mondays…

Anyway, here is a cut/paste of what happened when I tried to run: sudo python setup.py install running build_ext

```
.
.
.
.
.
building 'quisk._quisk' extension
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
compilation terminated.
error: command 'gcc' failed with exit status 1
```

I will try running the apt-get stuff you recommended and see if that clears it up…

Thanks again!

> On Tuesday, Oct 27, 2015, at Tuesday, 3:09 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Seems more packages required. Not all of these needed but they may come
> in useful for other stuff later.
>
> apt-get install libpulse-dev pulseaudio libpulse0 libpulsedsp
> pulseaudio-module-gconf pulseaudio-module-x11
> pulseaudio-module-zeroconf pulseaudio-utils
> 73 ... Sid.
>
> On 27/10/15 18:50, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>
>> I get the same result when I tried that - it fails when looking for
>> that pulseaudio stuff.

1753. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-28 02:20:24 UTC
From: James Bennett
Topic: 1724 Message: 1753

Ran the recommended installs. All worked except two: libpulsedsp and pulseaudio-util came up with “unable to locate package” errors.

I ignored it and ran the python setup.py install - had no errors, so I’m guessing those two packages are not really needed?

My next hurdle is to figure out how to create that 99-softrock.rules file in the /etc/udev/rules.d/ directory. I can see the directory from within the PCManFM (lightweight file manager) GUI but at that point I do not have permission to update the /etc… directory. Suggestions on this one?

> On Tuesday, Oct 27, 2015, at Tuesday, 6:45 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> I installed Chromium on the RPi and Yahoo mail works on that browser, but not on the supplied Epiphany browser, although it did yesterday. Maybe it only works on Mondays…
>
> Anyway, here is a cut/paste of what happened when I tried to run: sudo python setup.py install running build_ext
> .
> .
> .
> .
> .
> building 'quisk._quisk' extension
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o build/temp.linux-armv7l-2.7/sound_portaudio.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
> compilation terminated.
> error: command 'gcc' failed with exit status 1
>
> I will try running the apt-get stuff you recommended and see if that clears it up…
>
> Thanks again!
>
>

>
>> On Tuesday, Oct 27, 2015, at Tuesday, 3:09 PM, Sid Boyce g3vbv@... [n2adr-sdr]
<n2adr-sdr@...m> wrote:
>>
>> Seems more packages required. Not all of these needed but they may come
>> in useful for other stuff later.
>>
>> apt-get install libpulse-dev pulseaudio libpulse0 libpulsedsp
>> pulseaudio-module-gconf pulseaudio-module-x11
>> pulseaudio-module-zeroconf pulseaudio-utils
>> 73 ... Sid.
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>> On 27/10/15 18:50, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>
>>> I get the same result when I tried that - it fails when looking for
>>> that pulseaudio stuff.
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1754. RE: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-28 03:16:27 UTC
From: MIKE DURKIN
Topic: 1724 Message: 1754

sudo nano /etc/udev/rules.d/99-softrock.rules

this is also in the quisk online instructions (some where)

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Tue, 27 Oct 2015 19:20:24 -0700
> Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
>
> Ran the recommended installs. All worked except two: libpulsedsp and pulseaudio-util came up with “unable to locate package” errors.
>
> I ignored it and ran the python setup.py install - had no errors, so I’m guessing those two packages are not really needed?
>
> My next hurdle is to figure out how to create that 99-softrock.rules file in the /etc/udev/rules.d/ directory. I can see the directory from within the PCManFM (lightweight file manager) GUI but at that point I do not have permission to update the /etc… directory. Suggestions on this one?
>
> > On Tuesday, Oct 27, 2015, at Tuesday, 6:45 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
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> >
> > Anyway, here is a cut/paste of what happened when I tried to run: sudo python setup.py install running build_ext
> > .
> > .
> > .
> > .
> > .
> > building 'quisk._quisk' extension
> > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
> > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
> > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
> > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o build/temp.linux-armv7l-2.7/sound_portaudio.o
> > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o

build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
> > compilation terminated.
> > error: command 'gcc' failed with exit status 1
> >
> > I will try running the apt-get stuff you recommended and see if that clears it up…
> >
> > Thanks again!
> >
> >
> >
> >> On Tuesday, Oct 27, 2015, at Tuesday, 3:09 PM, Sid Boyce g3vbv@....uk [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
> >>
> >> Seems more packages required. Not all of these needed but they may come
> >> in useful for other stuff later.
> >>
> >> apt-get install libpulse-dev pulseaudio libpulse0 libpulsedsp
> >> pulseaudio-module-gconf pulseaudio-module-x11
> >> pulseaudio-module-zeroconf pulseaudio-utils
> >> 73 ... Sid.
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1755. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-28 03:50:31 UTC
From: James Bennett
Topic: 1724 Message: 1755

Thanks Mike - that worked just fine. I'd never used nano before, but it was just what the doctor ordered!

Jim Bennett / W6JHB
Folsom, CA

> On Oct 27, 2015, at 8:16 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> sudo nano /etc/udev/rules.d/99-softrock.rules
>
> this is also in the quisk online instructions (some where)
>
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Tue, 27 Oct 2015 19:20:24 -0700
> > Subject: Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?
> >
> > Ran the recommended installs. All worked except two: libpulsedsp and pulseaudio-util came up with “unable to locate package” errors.
> >
> > I ignored it and ran the python setup.py install - had no errors, so I’m guessing those two packages are not really needed?
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> >
> > > On Tuesday, Oct 27, 2015, at Tuesday, 6:45 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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> > > I installed Chromium on the RPi and Yahoo mail works on that browser, but not on the supplied Epiphany browser, although it did yesterday. Maybe it only works on Mondays…
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> > > Anyway, here is a cut/paste of what happened when I tried to run: sudo python setup.py install running build_ext
> > > .
> > > .
> > > .
> > > .
> > > .
> > > building 'quisk._quisk' extension
> > > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes

```
-fPIC -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
> > > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fPIC -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
> > > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fPIC -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
> > > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
> > > gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > > sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
> > > compilation terminated.
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> > > I will try running the apt-get stuff you recommended and see if that clears it up…
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<n2adr-sdr@yahoogroups.com> wrote:
> > >>
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> > >> On 27/10/15 18:50, James Bennett w6jhb@... [n2adr-sdr] wrote:
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1756. Quisk / Raspberry Pi Errors

Yahoo group: n2adr-sdr
Date: 2015-10-28 17:15:16 UTC
From: James Bennett
Topic: 1756 Message: 1756

Sorry to be such a pest/rookie, but I need more assistance. I “think” I successfully did the install of Quisk on my Raspberry Pi 2, and gave it a try this morning. The results were rather disappointing, but at least some progress was seen. Upon startup I got a bazillion errors and warnings, and at this point not where to start. I’ve copied them and they are pasted below. In addition, I’ve included the contents of my quisk-conf.py file, below the error paste. Additionally, once started, Quick was completely unresponsive. No buttons were clickable and the application would not end normally - had to have it killed off. Some initial background data: Radio is a SoftRock Ensemble RXTX, sound card is a Tascam US-125M (external USB-attached). Help on this would be much appreciated!

The errors at startup: ————————————————————————>

```
pi@raspberrypi ~ $ quisk

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-button-images after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-scrolled-window-placement after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-label-select-on-focus after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-can-change-accels after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popup-delay after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popdown-delay after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-images after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-select-on-focus after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-password-hint-timeout after class was initialised
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.front.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM front
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
```

```
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround40.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround40
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround41
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround50
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround51
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround71.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround71
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM iec958
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
```

```
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports only playback stream
Pulseaudio threaded mainloop started

My config file (with VERY little modification) ——————————>

# This is the quisk_conf.py configuration file for a soundcard.
# Copied from the *model* configuration file on 28-Oct-2015 by W6JHB

# See quisk_conf_defaults.py for more information.

# The default hardware module was already imported. Import a different one here.
# import quisk_hardware_fixed as quisk_hardware

# In ALSA, soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

sample_rate = 48000 # ADC hardware sample rate in Hertz
name_of_sound_capt = "hw:1" # Name of soundcard capture hardware device.
name_of_sound_play = name_of_sound_capt # Use the same device for play back
channel_i = 0 # Soundcard index of in-phase channel: 0, 1, 2, ...
channel_q = 1 # Soundcard index of quadrature channel: 0, 1, 2, ...
```

1757. Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-28 22:04:19 UTC
From: artus1947@...
Topic: 1757 Message: 1757

Not having much luck with a Windows 10 64-bit machine. Anyone have it running under windows 10? I have latest 32 bit Python 2.7.10 installed and 32bit version of WXPython. Whenever I execute: C:\python27\pythonw.exe quisk.py from a command prompt in the quisk source directory, I get a flicker of the command box but nothing else. I looked for log entries but not finding any. Is there any verbose flag toggle to get error messages. Thanks

73,
Jack (W0FNQ)

1758. Re: [n2adr-sdr] Quisk on Raspberry Pi2 Advice?

Yahoo group: n2adr-sdr
Date: 2015-10-29 01:37:43 UTC
From: Sid Boyce
Topic: 1724 Message: 1758
Attachments: 1 described; binary payloads are missing from this source WARC

Or as root without sudo.

sudo apt-get install libpulse-dev pulseaudio-utils

sudo edit /etc/udev/rules.d/99-softrock.rules

Cut & Paste the data between the --- CUT --- lines and save it.

Or using the attached file "gzip -d 99-softrock.rules.gz"
"sudo mv 99-softrock.rules /etc/udev/rules.d/"
73 ... Sid.

On 28/10/15 02:20, James Bennett w6jhb@... [n2adr-sdr] wrote:
> Ran the recommended installs. All worked except two: libpulsedsp and pulseaudio-util came up with ?unable to locate package? errors.
>
> I ignored it and ran the python setup.py install - had no errors, so I?m guessing those two packages are not really needed?
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>> .
>> .
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>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes

```
-fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
>> compilation terminated.
>> error: command 'gcc' failed with exit status 1
>>
>> I will try running the apt-get stuff you recommended and see if that clears it up?
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>> Thanks again!
>>
>>
>>
>>> On Tuesday, Oct 27, 2015, at Tuesday, 3:09 PM, Sid Boyce g3vbv@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>>>
>>> Seems more packages required. Not all of these needed but they may come
>>> in useful for other stuff later.
>>>
>>> apt-get install libpulse-dev pulseaudio libpulse0 libpulsedsp
>>> pulseaudio-module-gconf pulseaudio-module-x11
>>> pulseaudio-module-zeroconf pulseaudio-utils
>>> 73 ... Sid.
>>>
>>> On 27/10/15 18:50, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>> I get the same result when I tried that - it fails when looking for
>>>> that pulseaudio stuff.
>>
>>
>> ------------------------------------
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>> ------------------------------------
>>
>> Yahoo Groups Links
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>
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>
>
> ------------------------------------
>
```

> Yahoo Groups Links
>
>
>
>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1759. Re: [n2adr-sdr] Quisk / Raspberry Pi Errors

Yahoo group: n2adr-sdr
Date: 2015-10-29 02:37:42 UTC
From: Sid Boyce
Topic: 1756 Message: 1759

```
name_of_sound_play = "hw:0" ## built-in sound card used for Speakers.
microphone_name = "hw:0" ## built-in sound card used for Microphone
name_of_mic_play = "hw:1" ## send Microphone samples to the Softrock

The RXTX needs 2 sound cards, one stereo card that can be considered
part of the rig (does I-Q processing) - hw:1 in this case and hw:0 for
Mic/Spkrs.

I could not get the on-board sound to work with the original Pi model B
for Mic and Speakers so I used a USB sound card. I didn't try it with
the Pi 2. I used the original USB dongle with my standalone HiQSDR and
Hermes-Lite both of which only needs a sound card for Mic/Speakers.

Looking at the Tascam US-125M manual it says 48K samplerate max. In
~/.quisk_conf.py set
sample_rate = 48000

Most of the output messages are just noise and can be ignored.

There used to be a display problem on ARM with line 2012 of quisk.py set to
bmp = wx.BitmapFromBufferRGB(len(row) // 3, 1, row
That was fixed in quisk-3.7.7.

# grep -n wx.BitmapFromBufferRGBA quisk-3.7.7/quisk.py
2012: bmp = wx.BitmapFromBufferRGBA(len(row) // 4, 1, row
73 ... Sid.

On 28/10/15 17:15, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sorry to be such a pest/rookie, but I need more assistance. I
> “think” I successfully did the install of Quisk on my Raspberry Pi
> 2, and gave it a try this morning. The results were rather
> disappointing, but at least some progress was seen. Upon startup I got
> a bazillion errors and warnings, and at this point not where to start.
> I’ve copied them and they are pasted below. In addition, I’ve
> included the contents of my quisk-conf.py file, below the error paste.
> Additionally, once started, Quick was completely unresponsive. No
> buttons were clickable and the application would not end normally -
> had to have it killed off. Some initial background data: Radio is a
> SoftRock Ensemble RXTX, sound card is a Tascam US-125M (external
> USB-attached). Help on this would be much appreciated!
>
>
> The errors at startup:
> ————————————————————————————>
>
> pi@raspberrypi ~ $ quisk
```

```
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-button-images after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
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>
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> GtkSettings::gtk-can-change-accels after class was initialised
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> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM front
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround40.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround40
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
```

> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround41
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
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> or directory
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> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround71.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
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> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
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> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline

> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline
> ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports
> only playback stream
> Pulseaudio threaded mainloop started
>
>
> My config file (with VERY little
> modification) ————————>
>
> # This is the quisk_conf.py configuration file for a soundcard.
> # Copied from the *model* configuration file on 28-Oct-2015 by W6JHB
>
> # See quisk_conf_defaults.py for more information.
>
> # The default hardware module was already imported. Import a
> different one here.
> # import quisk_hardware_fixed as quisk_hardware
>
> # In ALSA, soundcards have these names. The "hw" devices are the raw
> # hardware devices, and should be used for soundcard capture.
> #name_of_sound_capt = "hw:0"
> #name_of_sound_capt = "hw:1"
> #name_of_sound_capt = "plughw"
> #name_of_sound_capt = "plughw:1"
> #name_of_sound_capt = "default"
>
> # Pulseaudio support added by Philip G. Lee. Many thanks!
> # For PulseAudio support, use the name "pulse" and connect the streams
> # to your hardware devices using a program like pavucontrol
> #name_of_sound_capt = "pulse"
>
> sample_rate = 48000# ADC hardware sample rate in Hertz
> name_of_sound_capt = "hw:1"# Name of soundcard capture hardware device.
> name_of_sound_play = name_of_sound_capt# Use the same device for play back
> channel_i = 0# Soundcard index of in-phase channel: 0, 1, 2, ...
> channel_q = 1# Soundcard index of quadrature channel: 0, 1, 2, ...
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1760. Re: Quisk / Raspberry Pi Errors

Yahoo group: n2adr-sdr
Date: 2015-10-29 04:12:23 UTC
From: rainerfeldkamp@...
Topic: 1756 Message: 1760

Hello James,

Your set-up has at least two serious flaws.

If you downloaded Quisk as a package from any of the Linux repositories, delete the package before doing anything else.

First, you obviously did not read the 'Documentation for Quisk' (ask Google for quisk, second entry in the search results). Under the heading 'Linux', you will find a nice list of packages to be installed. The fftw3 package has to be downloaded separately from fftw.org, unpacked, configured and installed (see the README and the INSTALL files in the 'fftw-3xx' directory).

Download the latest version of quisk from the homepage of James Ahlstrom (ask Google for quisk, first entry in the search results).

Unpack quisk in your home directory, do a 'cd' into the resulting quisk directory.

Second, your '.quisk_config.py" file is totally wrong for the rx_tx_ensemble. From the quisk directory, do a 'cd' into the 'softrock' subdirectory. There you will find a smple file 'conf_rx_tx_ensemble.py'. Copy it into your home directory as the '.quisk_config.py'. Dont forget the leading '.' and adapt this file only as regards the names of your sound cards.

Then you may go back to he quisk directoy and do a 'make' therein. Start 'python ./quisk.py' You may disregard all ALSA warnings regarding 'Unknown PCM cards'. If annoying, handle that later.

Should you have specific questions regarding any of the above steps, just ask.

73, Rainer DJ6OA

---In n2adr-sdr@yahoogroups.com, <w6jhb@...> wrote :

Sorry to be such a pest/rookie, but I need more assistance. I “think” I successfully did the install of Quisk on my Raspberry Pi 2, and gave it a try this morning. The results were rather disappointing, but at least some progress was seen. Upon startup I got a bazillion errors and warnings, and at this point not where to start. I’ve copied them and they are pasted below. In addition, I’ve included the contents of my quisk-conf.py file, below the error paste. Additionally, once started, Quick was completely unresponsive. No buttons were clickable and the application would not end normally - had to have it killed off. Some initial background data: Radio is a SoftRock Ensemble RXTX, sound card is a Tascam US-125M (external USB-attached). Help on this would be much appreciated!

The errors at startup: ————————————————————————>

pi@raspberrypi ~ $ quisk

```
(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-button-images after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
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GtkSettings::gtk-menu-popup-delay after class was initialised

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GtkSettings::gtk-menu-popdown-delay after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-images after class was initialised

(python:30858): GLib-GObject-WARNING **: Attempt to add property
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ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
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ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
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ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround41
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
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ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround50
```

```
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
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such file or directory
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ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports only playback stream
Pulseaudio threaded mainloop started

My config file (with VERY little modification) ————————>

# This is the quisk_conf.py configuration file for a soundcard.
# Copied from the *model* configuration file on 28-Oct-2015 by W6JHB

# See quisk_conf_defaults.py for more information.

# The default hardware module was already imported. Import a different one here.
# import quisk_hardware_fixed as quisk_hardware

# In ALSA, soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
```

```
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

sample_rate = 48000 # ADC hardware sample rate in Hertz
name_of_sound_capt = "hw:1" # Name of soundcard capture hardware device.
name_of_sound_play = name_of_sound_capt # Use the same device for play back
channel_i = 0 # Soundcard index of in-phase channel: 0, 1, 2, ...
channel_q = 1 # Soundcard index of quadrature channel: 0, 1, 2, ...
```

1761. Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-29 06:26:09 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1761

Well since Jim made some changes (with help) to the audio code (?) ....

I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that was 1/4 the size of my current USB sound card ....

I couldnt get it to work with
name_of_sound_capt = "hw:1,0"
or
name_of_sound_capt = "Via Tech"

but

name_of_sound_capt = "pulse" did work.

Is there a way to name the pulse devices i wanted used in the config file ...

Or maybe Sid knows a way to use a script to reorder the devices so that when quisk launches it automatically sets the correct devices for radio I/Q and Mic/Speaker

Also ... can the sound capture device be set for 96Khz while the mic/speaker is 48khz ?

1762. Re: [n2adr-sdr] Re: Quisk / Raspberry Pi Errors

Yahoo group: n2adr-sdr
Date: 2015-10-29 12:37:17 UTC
From: Sid Boyce
Topic: 1756 Message: 1762

There has never been a quisk problem with any distro's fftw3 libraries
on any architecture, I never had to build them dating back to the
beginning of the Softrock support I collaborated with Jim on.

fftw3 is used by many other SDR applications including ghpsdr3-alex,
rasdr and qsdr as well as other non-SDR applications.
73 ... Sid.

On 29/10/15 04:12, rainerfeldkamp@... [n2adr-sdr] wrote:
>
> Hello James,
>
> Your set-up has at least two serious flaws.
>
> If you downloaded Quisk as a package from any of the Linux
> repositories, delete the package before doing anything else.
>
> First, you obviously did not read the 'Documentation for Quisk' (ask
> Google for quisk, second entry in the search results). Under the
> heading 'Linux', you will find a nice list of packages to be
> installed. The fftw3 package has to be downloaded separately from
> fftw.org, unpacked, configured and installed (see the README and the
> INSTALL files in the 'fftw-3xx' directory).
>
> Download the latest version of quisk from the homepage of James
> Ahlstrom (ask Google for quisk, first entry in the search results).
>
> Unpack quisk in your home directory, do a 'cd' into the resulting
> quisk directory.
>
> Second, your '.quisk_config.py" file is totally wrong for the
> rx_tx_ensemble. From the quisk directory, do a 'cd' into the
> 'softrock' subdirectory. There you will find a smple file
> 'conf_rx_tx_ensemble.py'. Copy it into your home directory as the
> '.quisk_config.py'. Dont forget the leading '.' and adapt this file
> only as regards the names of your sound cards.
>
> Then you may go back to he quisk directoy and do a 'make' therein.
> Start 'python ./quisk.py' You may disregard all ALSA warnings
> regarding 'Unknown PCM cards'. If annoying, handle that later.
>
> Should you have specific questions regarding any of the above steps,
> just ask.
>
>

> 73, Rainer DJ6OA
>
>
> ---In n2adr-sdr@yahoogroups.com, <w6jhb@...> wrote :
>
> Sorry to be such a pest/rookie, but I need more assistance. I
> “think” I successfully did the install of Quisk on my Raspberry Pi
> 2, and gave it a try this morning. The results were rather
> disappointing, but at least some progress was seen. Upon startup I got
> a bazillion errors and warnings, and at this point not where to start.
> I’ve copied them and they are pasted below. In addition, I’ve
> included the contents of my quisk-conf.py file, below the error paste.
> Additionally, once started, Quick was completely unresponsive. No
> buttons were clickable and the application would not end normally -
> had to have it killed off. Some initial background data: Radio is a
> SoftRock Ensemble RXTX, sound card is a Tascam US-125M (external
> USB-attached). Help on this would be much appreciated!
>
> The errors at startup:
> ————————————————————————>
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> pi@raspberrypi ~ $ quisk
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> (python:30858): GLib-GObject-WARNING **: Attempt to add property
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> GtkSettings::gtk-scrolled-window-placement after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-label-select-on-focus after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-can-change-accels after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-menu-popup-delay after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-menu-popdown-delay after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-menu-images after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-entry-select-on-focus after class was initialised
>
> (python:30858): GLib-GObject-WARNING **: Attempt to add property
> GtkSettings::gtk-entry-password-hint-timeout after class was initialised
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition

> 'cards.bcm2835.pcm.front.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM front
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround40.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround40
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround41
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround50
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround51
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround71.0:CARD=0'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround71
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file

```
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM iec958
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
> ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
> ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file
> or directory
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline
> ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline
> ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports
> only playback stream
> Pulseaudio threaded mainloop started
>
>
> My config file (with VERY little
> modification) ————————>
>
> # This is the quisk_conf.py configuration file for a soundcard.
> # Copied from the *model* configuration file on 28-Oct-2015 by W6JHB
>
> # See quisk_conf_defaults.py for more information.
>
> # The default hardware module was already imported. Import a
> different one here.
> # import quisk_hardware_fixed as quisk_hardware
>
> # In ALSA, soundcards have these names. The "hw" devices are the raw
> # hardware devices, and should be used for soundcard capture.
> #name_of_sound_capt = "hw:0"
> #name_of_sound_capt = "hw:1"
> #name_of_sound_capt = "plughw"
> #name_of_sound_capt = "plughw:1"
> #name_of_sound_capt = "default"
>
> # Pulseaudio support added by Philip G. Lee. Many thanks!
```

```
> # For PulseAudio support, use the name "pulse" and connect the streams
> # to your hardware devices using a program like pavucontrol
> #name_of_sound_capt = "pulse"
>
> sample_rate = 48000# ADC hardware sample rate in Hertz
> name_of_sound_capt = "hw:1"# Name of soundcard capture hardware device.
> name_of_sound_play = name_of_sound_capt# Use the same device for play back
> channel_i = 0# Soundcard index of in-phase channel: 0, 1, 2, ...
> channel_q = 1# Soundcard index of quadrature channel: 0, 1, 2, ...
>
>
```

```
--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks
```

1763. Re: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-29 13:18:32 UTC
From: Sid Boyce
Topic: 1761 Message: 1763

Mainly for Mike who has delved into these issues many times and has
built and installed a new ODROID kernel to enable snd_aloop the loopback
module for digital modes like wspr and fldigi native apps to be used
with quisk.
Using pulse may be a bit complex for newbies to understand.

If using pulseaudio for devices, e.g
cat /proc/asound/cards
0 [Audio]: Built-in_Audio - Built-in Audio
Built-in Audio
1 [Device]: USB-Audio - USB Sound Device
USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed

fuser -v /dev/snd/*
USER PID ACCESS COMMAND
/dev/snd/controlC1: lancelot 1814 F.... pulseaudio
/dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
/dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
The above shows card 1 being used by pulseaudio, "m" says it's writeable.

In this case I'm only using card 1 for Mic/Speakers.
As in the README, hw:1 or plughw:1 are typical.
Best to keep it simple.
I didn't see any problems in ~/.quisk_conf.py other than the ones I
pointed out earlier and showed how to configure the 2 sound cards.

pactl info
Server String: unix:/run/user/1002/pulse/native
Library Protocol Version: 28
Server Protocol Version: 28
Is Local: yes
Client Index: 906
Tile Size: 65496
User Name: lancelot
Host Name: odroidu3
Server Name: pulseaudio
Server Version: 4.0
Default Sample Specification: s16le 2ch 48000Hz
Default Channel Map: front-left,front-right
Default Sink: alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
Default Source: alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
Cookie: b3de:784e

grep pulse ~/.quisk_conf.py
####show_pulse_audio_devices = True
name_of_sound_play =

"pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
microphone_name =
"pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
73 ... Sid.

On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Well since Jim made some changes (with help) to the audio code (?) ....
>
> I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that
> was 1/4 the size of my current USB sound card ....
>
> I couldnt get it to work with
> name_of_sound_capt = "hw:1,0"
> or
> name_of_sound_capt = "Via Tech"
>
> but
>
> name_of_sound_capt = "pulse" did work.
>
> Is there a way to name the pulse devices i wanted used in the config
> file ...
>
> Or maybe Sid knows a way to use a script to reorder the devices so
> that when quisk launches it automatically sets the correct devices for
> radio I/Q and Mic/Speaker
>
> Also ... can the sound capture device be set for 96Khz while the
> mic/speaker is 48khz ?
>

--
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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1764. Re: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-29 15:51:39 UTC
From: Eric Thornton
Topic: 1761 Message: 1764

The recent changes to audio were for pulse audio specifically. The changes are transparent from a configuration perspective, but now quisk uses the asynchronous api which helps us manage latency.

The easiest way to use pulse audio is to launch quisk with each device set to "pulse" and use pavucontrol to manipulate which stream cores where. Once setup, the streams will reconnect to the previous device on subsequent launches unless over ridden by the config file. I tested this manually in osx before Jim integrated my changes in 3.7.6, but I will confirm it works with pavucontrol when I get home.

Pulseaudio can use both a default and alternate sampling rate. This is configurable in daemon.conf.

Eric
km4dsj
On Oct 29, 2015 9:18 AM, "Sid Boyce g3vbv@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

> Mainly for Mike who has delved into these issues many times and has
> built and installed a new ODROID kernel to enable snd_aloop the loopback
> module for digital modes like wspr and fldigi native apps to be used
> with quisk.
> Using pulse may be a bit complex for newbies to understand.
>
> If using pulseaudio for devices, e.g
> # cat /proc/asound/cards
> 0 [Audio]: Built-in_Audio - Built-in Audio
> Built-in Audio
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
>
> # fuser -v /dev/snd/*
> USER PID ACCESS COMMAND
> /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
> The above shows card 1 being used by pulseaudio, "m" says it's writeable.
>
> In this case I'm only using card 1 for Mic/Speakers.
> As in the README, hw:1 or plughw:1 are typical.
> Best to keep it simple.
> I didn't see any problems in ~/.quisk_conf.py other than the ones I
> pointed out earlier and showed how to configure the 2 sound cards.
>
> # pactl info

> Server String: unix:/run/user/1002/pulse/native
> Library Protocol Version: 28
> Server Protocol Version: 28
> Is Local: yes
> Client Index: 906
> Tile Size: 65496
> User Name: lancelot
> Host Name: odroidu3
> Server Name: pulseaudio
> Server Version: 4.0
> Default Sample Specification: s16le 2ch 48000Hz
> Default Channel Map: front-left,front-right
> Default Sink: alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> Default Source:
> alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> Cookie: b3de:784e
>
> # grep pulse ~/.quisk_conf.py
> ####show_pulse_audio_devices = True
> name_of_sound_play =
> "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> microphone_name =
> "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> 73 ... Sid.
>
> On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > Well since Jim made some changes (with help) to the audio code (?) ....
> >
> > I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that
> > was 1/4 the size of my current USB sound card ....
> >
> > I couldnt get it to work with
> > name_of_sound_capt = "hw:1,0"
> > or
> > name_of_sound_capt = "Via Tech"
> >
> > but
> >
> > name_of_sound_capt = "pulse" did work.
> >
> > Is there a way to name the pulse devices i wanted used in the config
> > file ...
> >
> > Or maybe Sid knows a way to use a script to reorder the devices so
> > that when quisk launches it automatically sets the correct devices for
> > radio I/Q and Mic/Speaker
> >
> > Also ... can the sound capture device be set for 96Khz while the
> > mic/speaker is 48khz ?

> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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1765. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 16:25:03 UTC
From: artus1947@...
Topic: 1757 Message: 1765

FWIW: I just tried it on my Window 10 - 32 bit OS machine downstairs and it works. So must be 64-bit OS issue.

1766. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 16:35:00 UTC
From: artus1947@...
Topic: 1757 Message: 1766

Got it to run by explicitly stating path to conf file.

1767. Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 19:32:51 UTC
From: James Bennett
Topic: 1767 Message: 1767

I've gone back through the install instructions (yes, I had read them before..) and made sure I've installed every other package that is documented. When I do the build of Quisk, I get the error pasted below for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA for pointing out that I was using a bogus configuration. This morning I grabbed the one for Ensemble RX/TX and made a few changes there. The install instructions say that there is a package missing if I get an error regarding a ".h" file So, here is what happens when I attempt to make Quisk:

```
pi@raspberrypi ~/quisk-3.7.7 $ make
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/sound_alsa.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -fPIC
-I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such file or directory
compilation terminated.
error: command 'gcc' failed with exit status 1
makefile:3: recipe for target 'all' failed
make: *** [all] Error 1
```

1768. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 20:11:14 UTC
From: artus1947@...
Topic: 1757 Message: 1768

Still tilting windmills. Newest issue is the following Quisk message in the Status window: "No permission to access the Softrock USB interface." Quisk runs fine under Linux. Under Windows 10 I can run the Mobo/Widget rig (the one I am working with) using Powersdr 2.4.4 and Christos drivers. But no joy with Quisk. I've tried a few suggestions I found on the web but nothing seems to help. I know this issue is easily fixed in Linux but I don't know a solution in Windows 10. Anyone had and solved this issue?

Thanks,
73
Jack (W0FNQ)

1769. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 20:37:02 UTC
From: Sid Boyce
Topic: 1767 Message: 1769

/usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
73 ... Sid.

On 29/10/15 19:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> I've gone back through the install instructions (yes, I had read them
> before..) and made sure I've installed every other package that is
> documented. When I do the build of Quisk, I get the error pasted below
> for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA
> for pointing out that I was using a bogus configuration. This morning
> I grabbed the one for Ensemble RX/TX and made a few changes there. The
> install instructions say that there is a package missing if I get an
> error regarding a ".h" file So, here is what happens when I attempt to
> make Quisk:
>
> pi@raspberrypi ~/quisk-3.7.7 $ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound_portaudio.c -o build/temp.linux-armv7l-2.7/sound_portaudio.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound_pulseaudio.c -o build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such
> file or directory
> compilation terminated.
> error: command 'gcc' failed with exit status 1
> makefile:3: recipe for target 'all' failed
> make: *** [all] Error 1
>
>

--
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1770. RE: [n2adr-sdr] Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 20:53:15 UTC
From: MIKE DURKIN
Topic: 1757 Message: 1770

Did you install the PE0FKO drivers

http://pe0fko.nl/ca/

read through this and you should be up and running in no time ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 13:11:14 -0700
Subject: [n2adr-sdr] Re: Quisk WIN10 installation

Still tilting windmills. Newest issue is the following Quisk message in the Status window: "No permission to access the Softrock USB interface." Quisk runs fine under Linux. Under Windows 10 I can run the Mobo/Widget rig (the one I am working with) using Powersdr 2.4.4 and Christos drivers. But no joy with Quisk. I've tried a few suggestions I found on the web but nothing seems to help. I know this issue is easily fixed in Linux but I don't know a solution in Windows 10. Anyone had and solved this issue?

Thanks,73Jack (W0FNQ)

1771. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 21:31:08 UTC
From: artus1947@...
Topic: 1757 Message: 1771

Mike, Thanks for the suggestion. I had installed the certificate and I just went into the control console and it is indeed there. I may try reinstalling the drivers tomorrow to see it that makes a difference; although PowerSDR has no trouble with the driver installation.
73,
Jack

1772. RE: [n2adr-sdr] Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-29 21:43:18 UTC
From: MIKE DURKIN
Topic: 1757 Message: 1772

when you plug the sdr in ..... do you hear the normal successful USB device enabled sound ? does W10 even do that ?

look in the device manager and see if it was installed properly ...

a good place to ask would also be here ...

http://quisk.973856.n3.nabble.com/Quisk-SDR-f1831114.html

its Jims Quisk forum page ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 14:31:08 -0700
Subject: [n2adr-sdr] Re: Quisk WIN10 installation

Mike,
Thanks for the suggestion. I had installed the certificate and I just went into the control console and it is indeed there. I may try reinstalling the drivers tomorrow to see it that makes a difference; although PowerSDR has no trouble with the driver installation.73,Jack

1773. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 21:50:49 UTC
From: James Bennett
Topic: 1767 Message: 1773

Sid - yep, it is there. The error was caused by my not copying the configure file to my home directory. I did that and Quisk started up somewhat properly. However, I am getting an error on the bottom of the screen about not having permission for the USB stuff. I'm not at home at the moment; will look into that when I get back in an hour or so. But the very good news is that Quick now fires up and the buttons are clickable!!!

Jim

> On Oct 29, 2015, at 13:37, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> /usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
> 73 ... Sid.
>
>> On 29/10/15 19:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>
>> I've gone back through the install instructions (yes, I had read them
>> before..) and made sure I've installed every other package that is
>> documented. When I do the build of Quisk, I get the error pasted below
>> for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA
>> for pointing out that I was using a bogus configuration. This morning
>> I grabbed the one for Ensemble RX/TX and made a few changes there. The
>> install instructions say that there is a package missing if I get an
>> error regarding a ".h" file So, here is what happens when I attempt to
>> make Quisk:
>>
>> pi@raspberrypi ~/quisk-3.7.7 $ make
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>> running build_ext
>> building 'quisk._quisk' extension
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o
>> build/temp.linux-armv7l-2.7/quisk.o
>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o
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>> sound_pulseaudio.c -o build/temp.linux-armv7l-2.7/sound_pulseaudio.o

>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such
>> file or directory
>> compilation terminated.
>> error: command 'gcc' failed with exit status 1
>> makefile:3: recipe for target 'all' failed
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>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1774. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 22:48:21 UTC
From: James Bennett
Topic: 1767 Message: 1774

OK - back from picking up my son at school.

After Quisk starts up and I have the configuration screen and it’s five tabs in front of me. I’m able to click various tabs but there is no data to be seen. And I’m sure it is because of this error posted on the bottom line:

No permission to access the SoftRock USB interface

I’m sure I’ve got something messed up - where to look to resolve this?

> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Sid - yep, it is there. The error was caused by my not copying the configure file to my home directory. I did that and Quisk started up somewhat properly. However, I am getting an error on the bottom of the screen about not having permission for the USB stuff. I'm not at home at the moment; will look into that when I get back in an hour or so. But the very good news is that Quick now fires up and the buttons are clickable!!!
>
> Jim
>
> > On Oct 29, 2015, at 13:37, Sid Boyce g3vbv@... <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >
> > /usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
> > 73 ... Sid.
> >
> >> On 29/10/15 19:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >>
> >> I've gone back through the install instructions (yes, I had read them
> >> before..) and made sure I've installed every other package that is
> >> documented. When I do the build of Quisk, I get the error pasted below
> >> for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA
> >> for pointing out that I was using a bogus configuration. This morning
> >> I grabbed the one for Ensemble RX/TX and made a few changes there. The
> >> install instructions say that there is a package missing if I get an
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> >> build/temp.linux-armv7l-2.7/sound_alsa.o
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >> sound_portaudio.c -o build/temp.linux-armv7l-2.7/sound_portaudio.o
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> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1775. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-29 22:56:25 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1775

Sid,
pactl info

does not show all of my sink/sources .... it only shows the internal i think

today i tried to use the names shown on quisk's config/sound tab ...
No luck ... but now just using "pulse"is no longer working .... seems like too much delay

bugs a guy when its kinda working one day and the next just refuses to ...

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 29 Oct 2015 13:18:32 +0000
> Subject: Re: [n2adr-sdr] Via Tech sound
>
> Mainly for Mike who has delved into these issues many times and has
> built and installed a new ODROID kernel to enable snd_aloop the loopback
> module for digital modes like wspr and fldigi native apps to be used
> with quisk.
> Using pulse may be a bit complex for newbies to understand.
>
> If using pulseaudio for devices, e.g
> # cat /proc/asound/cards
> 0 [Audio]: Built-in_Audio - Built-in Audio
> Built-in Audio
> 1 [Device]: USB-Audio - USB Sound Device
> USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
>
> # fuser -v /dev/snd/*
> USER PID ACCESS COMMAND
> /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
> The above shows card 1 being used by pulseaudio, "m" says it's writeable.
>
> In this case I'm only using card 1 for Mic/Speakers.
> As in the README, hw:1 or plughw:1 are typical.
> Best to keep it simple.
> I didn't see any problems in ~/.quisk_conf.py other than the ones I
> pointed out earlier and showed how to configure the 2 sound cards.
>
> # pactl info
> Server String: unix:/run/user/1002/pulse/native
> Library Protocol Version: 28
> Server Protocol Version: 28
> Is Local: yes

> Client Index: 906
> Tile Size: 65496
> User Name: lancelot
> Host Name: odroidu3
> Server Name: pulseaudio
> Server Version: 4.0
> Default Sample Specification: s16le 2ch 48000Hz
> Default Channel Map: front-left,front-right
> Default Sink: alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> Default Source: alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> Cookie: b3de:784e
>
> # grep pulse ~/.quisk_conf.py
> ####show_pulse_audio_devices = True
> name_of_sound_play =
> "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> microphone_name =
> "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> 73 ... Sid.
>
> On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > Well since Jim made some changes (with help) to the audio code (?) ....
> >
> > I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that
> > was 1/4 the size of my current USB sound card ....
> >
> > I couldnt get it to work with
> > name_of_sound_capt = "hw:1,0"
> > or
> > name_of_sound_capt = "Via Tech"
> >
> > but
> >
> > name_of_sound_capt = "pulse" did work.
> >
> > Is there a way to name the pulse devices i wanted used in the config
> > file ...
> >
> > Or maybe Sid knows a way to use a script to reorder the devices so
> > that when quisk launches it automatically sets the correct devices for
> > radio I/Q and Mic/Speaker
> >
> > Also ... can the sound capture device be set for 96Khz while the
> > mic/speaker is 48khz ?
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

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1776. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 23:37:02 UTC
From: James Bennett
Topic: 1767 Message: 1776

I did some Google searching and came across a couple web hits where Sid had asked about this very same thing. And, I thought that additing that 99-softrock.rules resolved the problem?

Jim

> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> OK - back from picking up my son at school.
>
>
> After Quisk starts up and I have the configuration screen and it’s five tabs in front of me. I’m able to click various tabs but there is no data to be seen. And I’m sure it is because of this error posted on the bottom line:
>
> No permission to access the SoftRock USB interface
>
> I’m sure I’ve got something messed up - where to look to resolve this?
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>> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>
>> Jim
>>
>> > On Oct 29, 2015, at 13:37, Sid Boyce g3vbv@... <mailto:g3vbv@blueyonder.co.uk> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>> >
>> > /usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
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```
>> >> for pointing out that I was using a bogus configuration. This morning
>> >> I grabbed the one for Ensemble RX/TX and made a few changes there. The
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>> >> build/temp.linux-armv7l-2.7/quisk.o
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>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o
>> >> build/temp.linux-armv7l-2.7/sound.o
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o
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1777. RE: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-29 23:43:17 UTC
From: MIKE DURKIN
Topic: 1767 Message: 1777

USB Control
Many radio devices are now controlled through a USB interface. In
many cases, the interface is actually a serial port, and an external or
internal USB to serial converter is used. In other cases, the USB
is native, but requires a custom device driver. In still other
cases, the USB device announces itself as a standard device such as a
sound device or human interface device, and uses a standard operating
system built-in driver.

Linux
Default USB permissions do not allow a non-root user to write to the
bus. You may find that Quisk will complain about lack of
permission to access the USB. You could test this by running
Quisk as root and seeing if that works; but this is not acceptable
except for testing. To change USB permissions, add a rule to
/etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu) like
this:

SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" ,
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"

This changes the USB device permissions to read/write for all users,
and changes the group to the "dialout" group. Default group
permissions are read/write, so if you are in the "dialout" group, you
don't need "MODE"; modify as appropriate. To load the new rule, you can either reboot or on
Ubuntu use

sudo udevadm control --reload-rules

from

http://james.ahlstrom.name/quisk/docs.html#USBControl

Did you see this yet?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 16:37:02 -0700
Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

I did some Google searching and came across a couple web hits where Sid had asked about
this very same thing. And, I thought that additing that 99-softrock.rules resolved the
problem?

Jim

On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett w6jhb@me.com [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:OK - back from picking up my son at school.

After Quisk starts up and I have the configuration screen and it’s five tabs in front of me. I’m able to click various tabs but there is no data to be seen. And I’m sure it is because of this error posted on the bottom line:
No permission to access the SoftRock USB interface
I’m sure I’ve got something messed up - where to look to resolve this?

On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:Sid - yep, it is there. The error was caused by my not copying the configure file to my home directory. I did that and Quisk started up somewhat properly. However, I am getting an error on the bottom of the screen about not having permission for the USB stuff. I'm not at home at the moment; will look into that when I get back in an hour or so. But the very good news is that Quick now fires up and the buttons are clickable!!!

Jim

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> /usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
> 73 ... Sid.
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>> documented. When I do the build of Quisk, I get the error pasted below
>> for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA
>> for pointing out that I was using a bogus configuration. This morning
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>> install instructions say that there is a package missing if I get an
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```
>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
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1778. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 00:22:43 UTC
From: James Bennett
Topic: 1767 Message: 1778

Hi Mike - yep, I saw it. All but the point where it said a re-boot is needed to get it in place! I'll give it a shot after dinner this evening.

Jim Bennett / W6JHB
Folsom, CA

> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> USB Control
>
> Many radio devices are now controlled through a USB interface. In many cases, the interface is actually a serial port, and an external or internal USB to serial converter is used. In other cases, the USB is native, but requires a custom device driver. In still other cases, the USB device announces itself as a standard device such as a sound device or human interface device, and uses a standard operating system built-in driver.
>
> Linux
>
> Default USB permissions do not allow a non-root user to write to the bus. You may find that Quisk will complain about lack of permission to access the USB. You could test this by running Quisk as root and seeing if that works; but this is not acceptable except for testing. To change USB permissions, add a rule to /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu) like this:
>
> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
>
> This changes the USB device permissions to read/write for all users, and changes the group to the "dialout" group. Default group permissions are read/write, so if you are in the "dialout" group, you don't need "MODE"; modify as appropriate. To load the new rule, you can either reboot or on Ubuntu use
>
> sudo udevadm control --reload-rules
>
>
> from
>
> http://james.ahlstrom.name/quisk/docs.html#USBControl
>
> Did you see this yet?
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 29 Oct 2015 16:37:02 -0700

> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>
>
> I did some Google searching and came across a couple web hits where Sid had asked about this very same thing. And, I thought that additing that 99-softrock.rules resolved the problem?
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>
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>
>
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> No permission to access the SoftRock USB interface
>
> I’m sure I’ve got something messed up - where to look to resolve this?
>
>
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> Sid - yep, it is there. The error was caused by my not copying the configure file to my home directory. I did that and Quisk started up somewhat properly. However, I am getting an error on the bottom of the screen about not having permission for the USB stuff. I'm not at home at the moment; will look into that when I get back in an hour or so. But the very good news is that Quick now fires up and the buttons are clickable!!!
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> Jim
>
> > On Oct 29, 2015, at 13:37, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > /usr/include/pulse/pulseaudio.h is supplied by the libpulse-dev package.
> > 73 ... Sid.
> >
> >> On 29/10/15 19:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >>
> >> I've gone back through the install instructions (yes, I had read them
> >> before..) and made sure I've installed every other package that is
> >> documented. When I do the build of Quisk, I get the error pasted below
> >> for a missing file. I'm stumped. By the way - thank you Rainer DJ6OA
> >> for pointing out that I was using a bogus configuration. This morning

> >> I grabbed the one for Ensemble RX/TX and made a few changes there. The
> >> install instructions say that there is a package missing if I get an
> >> error regarding a ".h" file So, here is what happens when I attempt to
> >> make Quisk:
> >>
> >> pi@raspberrypi ~/quisk-3.7.7 $ make
> >> python setup.py build_ext --force --inplace
> >> running build_ext
> >> building 'quisk._quisk' extension
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c quisk.c -o
> >> build/temp.linux-armv7l-2.7/quisk.o
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound.c -o
> >> build/temp.linux-armv7l-2.7/sound.o
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o
> >> build/temp.linux-armv7l-2.7/sound_alsa.o
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >> sound_portaudio.c -o build/temp.linux-armv7l-2.7/sound_portaudio.o
> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall
> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >> sound_pulseaudio.c -o build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> >> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h: No such
> >> file or directory
> >> compilation terminated.
> >> error: command 'gcc' failed with exit status 1
> >> makefile:3: recipe for target 'all' failed
> >> make: *** [all] Error 1
> >>
> >>
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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1779. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 01:27:45 UTC
From: rainerfeldkamp@...
Topic: 1761 Message: 1779

Mike, Linux bugs in this way only those guys who were too lazy to change the last line of /etc/modprobe.d/alsa-base-conf to:

'options snd-usb-audio index = 3, 4'

By doing so, and assuming you have only one usb sound card, it is always card 3 (and does not continuously change on reboot).

Internal card then will always be card 0 and loopback will remain card 1.

Further, in contrast to your goodselfes, the Via Tech SD-AUD20101 has, if its documentation is correct, only a mono Mike sound input and therefore cannot be used for 'name_of_sound_capt', but only for 'microphone_name'.

73, Rainer

1780. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 01:37:43 UTC
From: Sid Boyce
Topic: 1767 Message: 1780

"ls -l /dev/softrock" to check the device is created.
grep dialout /etc/group
dialout:x:20:odroid,lancelot

It could be that your user is not a member of the dialout group. I'll have to amend my README_G3VBV.txt I have sent to some users with all the pre-req packages and config options.
"nano /etc/group"
Add your user, e.g
dialout:x:20:pi
73 ... Sid.

On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
> needed to get it in place! I'll give it a shot after dinner this evening.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>>
>> USB Control
>>
>> Many radio devices are now controlled through a USB interface. In
>> many cases, the interface is actually a serial port, and an external
>> or internal USB to serial converter is used. In other cases, the USB
>> is native, but requires a custom device driver. In still other cases,
>> the USB device announces itself as a standard device such as a sound
>> device or human interface device, and uses a standard operating
>> system built-in driver.
>>
>>
>> Linux
>>
>> Default USB permissions do not allow a non-root user to write to the
>> bus. You may find that Quisk will complain about lack of permission
>> to access the USB. You could test this by running Quisk as root and
>> seeing if that works; but this is not acceptable except for testing.
>> To change USB permissions, add a rule to
>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
>> like this:
>>

>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
>> MODE="0666", GROUP="dialout"
>>
>> This changes the USB device permissions to read/write for all users,
>> and changes the group to the "dialout" group. Default group
>> permissions are read/write, so if you are in the "dialout" group, you
>> don't need "MODE"; modify as appropriate. To load the new rule, you
>> can either reboot or on Ubuntu use
>>
>> sudo udevadm control --reload-rules
>>
>>
>> from
>>
>> http://james.ahlstrom.name/quisk/docs.html#USBControl
>>
>> Did you see this yet?
>>
>> ---
>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Thu, 29 Oct 2015 16:37:02 -0700
>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>>
>> I did some Google searching and came across a couple web hits where
>> Sid had asked about this very same thing. And, I thought that
>> additing that 99-softrock.rules resolved the problem?
>>
>> Jim
>>
>>
>>
>> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
>> w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> OK - back from picking up my son at school.
>>
>>
>> After Quisk starts up and I have the configuration screen and
>> it’s five tabs in front of me. I’m able to click various tabs
>> but there is no data to be seen. And I’m sure it is because of
>> this error posted on the bottom line:
>>
>> No permission to access the SoftRock USB interface
>>
>> I’m sure I’ve got something messed up - where to look to
>> resolve this?
>>
>>

>> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James
>> Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> Sid - yep, it is there. The error was caused by my not
>> copying the configure file to my home directory. I did that
>> and Quisk started up somewhat properly. However, I am getting
>> an error on the bottom of the screen about not having
>> permission for the USB stuff. I'm not at home at the moment;
>> will look into that when I get back in an hour or so. But the
>> very good news is that Quick now fires up and the buttons are
>> clickable!!!
>>
>> Jim
>>
>> > On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@...
>> <mailto:g3vbv@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>> >
>> > /usr/include/pulse/pulseaudio.h is supplied by the
>> libpulse-dev package.
>> > 73 ... Sid.
>> >
>> >> On 29/10/15 19:32, James Bennettw6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>> >>
>> >> I've gone back through the install instructions (yes, I
>> had read them
>> >> before..) and made sure I've installed every other package
>> that is
>> >> documented. When I do the build of Quisk, I get the error
>> pasted below
>> >> for a missing file. I'm stumped. By the way - thank you
>> Rainer DJ6OA
>> >> for pointing out that I was using a bogus configuration.
>> This morning
>> >> I grabbed the one for Ensemble RX/TX and made a few
>> changes there. The
>> >> install instructions say that there is a package missing
>> if I get an
>> >> error regarding a ".h" file So, here is what happens when
>> I attempt to
>> >> make Quisk:
>> >>
>> >> pi@raspberrypi ~/quisk-3.7.7 $ make
>> >> python setup.py build_ext --force --inplace
>> >> running build_ext
>> >> building 'quisk._quisk' extension

```
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>> -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>> quisk.c -o
>> >> build/temp.linux-armv7l-2.7/quisk.o
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>> -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>> sound.c -o
>> >> build/temp.linux-armv7l-2.7/sound.o
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>> -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>> sound_alsa.c -o
>> >> build/temp.linux-armv7l-2.7/sound_alsa.o
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>> -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>> >> sound_portaudio.c -o
>> build/temp.linux-armv7l-2.7/sound_portaudio.o
>> >> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>> -Wall
>> >> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>> >> sound_pulseaudio.c -o
>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
>> >> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
>> No such
>> >> file or directory
>> >> compilation terminated.
>> >> error: command 'gcc' failed with exit status 1
>> >> makefile:3: recipe for target 'all' failed
>> >> make: *** [all] Error 1
>> >>
>> >>
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>> >
>> > --
>> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
>> Support
>> > Senior Staff Specialist, Cricket Coach
>> > Microsoft Windows Free Zone - Linux used for all Computing
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1781. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 01:41:23 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1781

Never heard of 'options snd-usb-audio index = 3, 4'

though i have 2 usb soundcards as well as the internal and loopback ......

Its been found else where that the Syba Via Tech SD-AUD20101 does have stereo input ....

tested on other sites like http://www.telepostinc.com/soundcards.html

and if you read the discription of
http://www.sybausa.com/index.php?route=product/product&product_id=694&search=AUD20101

that it has 2 DAC as well as 2 ADC .... there might be some that were made with a mono jack ... but the one i have does not ... it is stereo and i can do image rejection in the I/Q control tab.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@...m
Date: Thu, 29 Oct 2015 18:27:45 -0700
Subject: RE: [n2adr-sdr] Via Tech sound

Mike, Linux bugs in this way only those guys who were too lazy to change the last line of /etc/modprobe.d/alsa-base-conf to:

'options snd-usb-audio index = 3, 4'

By doing so, and assuming you have only one usb sound card, it is always card 3 (and does not continuously change on reboot).

Internal card then will always be card 0 and loopback will remain card 1.

Further, in contrast to your goodselfes, the Via Tech SD-AUD20101 has, if its documentation is correct, only a mono Mike sound input and therefore cannot be used for 'name_of_sound_capt', but only for 'microphone_name'.

73, Rainer

1782. Re: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 02:23:14 UTC
From: Sid Boyce
Topic: 1761 Message: 1782

Seems only to show the default card which in my case is card 1 on ODROID-U3.

Is pulseaudio running? If so is it showing "m" against the entries in
"fuser -v /dev/snd/*"?
fuser -v /dev/snd/*
USER PID ACCESS COMMAND
/dev/snd/controlC1: lancelot 1814 F.... pulseaudio
/dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
/dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio

I am using quisk with pulse, works and has always worked as user and root.
I only need a sound card for Mic/Speakers with the HiQSDR and the 2
Hermes-Lite.

I must try to see if I can put a RXTX, UHFSDR + SDR-Widget or SR63ng +
Mobo + SDR-Widget in service again.
73 ... Sid.

On 29/10/15 22:56, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Sid,
> pactl info
>
> does not show all of my sink/sources .... it only shows the internal i think
>
> today i tried to use the names shown on quisk's config/sound tab ...
> No luck ... but now just using "pulse"is no longer working .... seems like too much delay
>
> bugs a guy when its kinda working one day and the next just refuses to ...
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 29 Oct 2015 13:18:32 +0000
> > Subject: Re: [n2adr-sdr] Via Tech sound
> >
> > Mainly for Mike who has delved into these issues many times and has
> > built and installed a new ODROID kernel to enable snd_aloop the
> loopback
> > module for digital modes like wspr and fldigi native apps to be used
> > with quisk.
> > Using pulse may be a bit complex for newbies to understand.
> >
> > If using pulseaudio for devices, e.g
> > # cat /proc/asound/cards
> > 0 [Audio]: Built-in_Audio - Built-in Audio
> > Built-in Audio

> > 1 [Device]: USB-Audio - USB Sound Device
> > USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
> >
> > # fuser -v /dev/snd/*
> > USER PID ACCESS COMMAND
> > /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> > /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> > /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
> > The above shows card 1 being used by pulseaudio, "m" says it's
> writeable.
> >
> > In this case I'm only using card 1 for Mic/Speakers.
> > As in the README, hw:1 or plughw:1 are typical.
> > Best to keep it simple.
> > I didn't see any problems in ~/.quisk_conf.py other than the ones I
> > pointed out earlier and showed how to configure the 2 sound cards.
> >
> > # pactl info
> > Server String: unix:/run/user/1002/pulse/native
> > Library Protocol Version: 28
> > Server Protocol Version: 28
> > Is Local: yes
> > Client Index: 906
> > Tile Size: 65496
> > User Name: lancelot
> > Host Name: odroidu3
> > Server Name: pulseaudio
> > Server Version: 4.0
> > Default Sample Specification: s16le 2ch 48000Hz
> > Default Channel Map: front-left,front-right
> > Default Sink:
> alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > Default Source:
> alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > Cookie: b3de:784e
> >
> > # grep pulse ~/.quisk_conf.py
> > ####show_pulse_audio_devices = True
> > name_of_sound_play =
> > "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > microphone_name =
> > "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > 73 ... Sid.
> >
> > On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > >
> > > Well since Jim made some changes (with help) to the audio code (?)
> ....
> > >
> > > I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that

> > > was 1/4 the size of my current USB sound card ....
> > >
> > > I couldnt get it to work with
> > > name_of_sound_capt = "hw:1,0"
> > > or
> > > name_of_sound_capt = "Via Tech"
> > >
> > > but
> > >
> > > name_of_sound_capt = "pulse" did work.
> > >
> > > Is there a way to name the pulse devices i wanted used in the config
> > > file ...
> > >
> > > Or maybe Sid knows a way to use a script to reorder the devices so
> > > that when quisk launches it automatically sets the correct devices
> for
> > > radio I/Q and Mic/Speaker
> > >
> > > Also ... can the sound capture device be set for 96Khz while the
> > > mic/speaker is 48khz ?
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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1783. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 03:17:33 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1783

get one of those Syba SD-AUD20101 (they are still around 10$)

USB 2.0 Full-speed (12Mbps), USB Audio Device Compliant

USB Bus Powered. External Power Not Required

VIA Envy VT1620A Audio Controller
and see if it works with the UHFSDR ....

Im confused as to why it would work one day with just "pulse" and not the next ....

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 30 Oct 2015 02:23:14 +0000
> Subject: Re: [n2adr-sdr] Via Tech sound
>
> Seems only to show the default card which in my case is card 1 on ODROID-U3.
>
> Is pulseaudio running? If so is it showing "m" against the entries in
> "fuser -v /dev/snd/*"?
> # fuser -v /dev/snd/*
> USER PID ACCESS COMMAND
> /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
>
> I am using quisk with pulse, works and has always worked as user and root.
> I only need a sound card for Mic/Speakers with the HiQSDR and the 2
> Hermes-Lite.
>
> I must try to see if I can put a RXTX, UHFSDR + SDR-Widget or SR63ng +
> Mobo + SDR-Widget in service again.
> 73 ... Sid.
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> On 29/10/15 22:56, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > Sid,
> > pactl info
> >
> > does not show all of my sink/sources .... it only shows the internal i think
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> > today i tried to use the names shown on quisk's config/sound tab ...
> > No luck ... but now just using "pulse"is no longer working .... seems like too much
delay
> >

> > bugs a guy when its kinda working one day and the next just refuses to ...
> >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: n2adr-sdr@yahoogroups.com
> > > Date: Thu, 29 Oct 2015 13:18:32 +0000
> > > Subject: Re: [n2adr-sdr] Via Tech sound
> > >
> > > Mainly for Mike who has delved into these issues many times and has
> > > built and installed a new ODROID kernel to enable snd_aloop the
> > loopback
> > > module for digital modes like wspr and fldigi native apps to be used
> > > with quisk.
> > > Using pulse may be a bit complex for newbies to understand.
> > >
> > > If using pulseaudio for devices, e.g
> > > # cat /proc/asound/cards
> > > 0 [Audio]: Built-in_Audio - Built-in Audio
> > > Built-in Audio
> > > 1 [Device]: USB-Audio - USB Sound Device
> > > USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
> > >
> > > # fuser -v /dev/snd/*
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> > > /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
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> > > The above shows card 1 being used by pulseaudio, "m" says it's
> > writeable.
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> > > pointed out earlier and showed how to configure the 2 sound cards.
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> > > Is Local: yes
> > > Client Index: 906
> > > Tile Size: 65496
> > > User Name: lancelot
> > > Host Name: odroidu3
> > > Server Name: pulseaudio
> > > Server Version: 4.0
> > > Default Sample Specification: s16le 2ch 48000Hz
> > > Default Channel Map: front-left,front-right
> > > Default Sink:
> > alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo

> > > Default Source:
> > alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > > Cookie: b3de:784e
> > >
> > > # grep pulse ~/.quisk_conf.py
> > > ####show_pulse_audio_devices = True
> > > name_of_sound_play =
> > > "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
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> > > > but
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> > > >
> > > > Is there a way to name the pulse devices i wanted used in the config
> > > > file ...
> > > >
> > > > Or maybe Sid knows a way to use a script to reorder the devices so
> > > > that when quisk launches it automatically sets the correct devices
> > for
> > > > radio I/Q and Mic/Speaker
> > > >
> > > > Also ... can the sound capture device be set for 96Khz while the
> > > > mic/speaker is 48khz ?
> > > >
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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1784. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 03:22:18 UTC
From: James Bennett
Topic: 1767 Message: 1784

Sid,

After rebooting the RPi, I now get:

USB device not found VendorID 0x16C0 ProductID 0x5DC

This on the Quisk bottom / status line. Does this indicate that my Tascam US-125M needs a different code than what I entered per your notes? Were those notes specific to the USB sound card you are using?

When I do the cat /proc/asound/cards, I see my Tascam as:

1 [CODEC] : USB-Audio - USB Audio CODEC
Burr-Brown from TI USB Audio Codec at usb-bcm2708_usb-1.4.2, full speed

Jim

> On Thursday, Oct 29, 2015, at Thursday, 6:37 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> "ls -l /dev/softrock" to check the device is created.
> # grep dialout /etc/group
> dialout:x:20:odroid,lancelot
>
> It could be that your user is not a member of the dialout group. I'll
> have to amend my README_G3VBV.txt I have sent to some users with all
> the pre-req packages and config options.
> "nano /etc/group"
> Add your user, e.g
> dialout:x:20:pi
> 73 ... Sid.
>
> On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
>> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
>> needed to get it in place! I'll give it a shot after dinner this evening.
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@msn.com
>> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>>
>>> USB Control
>>>
>>> Many radio devices are now controlled through a USB interface. In

>>> many cases, the interface is actually a serial port, and an external
>>> or internal USB to serial converter is used. In other cases, the USB
>>> is native, but requires a custom device driver. In still other cases,
>>> the USB device announces itself as a standard device such as a sound
>>> device or human interface device, and uses a standard operating
>>> system built-in driver.
>>>
>>>
>>> Linux
>>>
>>> Default USB permissions do not allow a non-root user to write to the
>>> bus. You may find that Quisk will complain about lack of permission
>>> to access the USB. You could test this by running Quisk as root and
>>> seeing if that works; but this is not acceptable except for testing.
>>> To change USB permissions, add a rule to
>>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
>>> like this:
>>>
>>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
>>> MODE="0666", GROUP="dialout"
>>>
>>> This changes the USB device permissions to read/write for all users,
>>> and changes the group to the "dialout" group. Default group
>>> permissions are read/write, so if you are in the "dialout" group, you
>>> don't need "MODE"; modify as appropriate. To load the new rule, you
>>> can either reboot or on Ubuntu use
>>>
>>> sudo udevadm control --reload-rules
>>>
>>>
>>> from
>>>
>>> http://james.ahlstrom.name/quisk/docs.html#USBControl
>>>
>>> Did you see this yet?
>>>
>>> --
>>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> Date: Thu, 29 Oct 2015 16:37:02 -0700
>>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>>>
>>> I did some Google searching and came across a couple web hits where
>>> Sid had asked about this very same thing. And, I thought that
>>> additing that 99-softrock.rules resolved the problem?
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>>>
>>>
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>>> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
>>> w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>> OK - back from picking up my son at school.
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>>> After Quisk starts up and I have the configuration screen and
>>> itâ€™s five tabs in front of me. Iâ€™m able to click various tabs
>>> but there is no data to be seen. And Iâ€™m sure it is because of
>>> this error posted on the bottom line:
>>>
>>> No permission to access the SoftRock USB interface
>>>
>>> Iâ€™m sure Iâ€™ve got something messed up - where to look to
>>> resolve this?
>>>
>>>
>>> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James
>>> Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com
>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>> Sid - yep, it is there. The error was caused by my not
>>> copying the configure file to my home directory. I did that
>>> and Quisk started up somewhat properly. However, I am getting
>>> an error on the bottom of the screen about not having
>>> permission for the USB stuff. I'm not at home at the moment;
>>> will look into that when I get back in an hour or so. But the
>>> very good news is that Quick now fires up and the buttons are
>>> clickable!!!
>>>
>>> Jim
>>>
>>>> On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@...
>>> <mailto:g3vbv@...>[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com
>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>> /usr/include/pulse/pulseaudio.h is supplied by the
>>> libpulse-dev package.
>>>> 73 ... Sid.
>>>>
>>>>> On 29/10/15 19:32, James Bennettw6jhb@...m
>>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>>>
>>>>> I've gone back through the install instructions (yes, I
>>> had read them
>>>>> before..) and made sure I've installed every other package
>>> that is

>>>>> documented. When I do the build of Quisk, I get the error
>>> pasted below
>>>>> for a missing file. I'm stumped. By the way - thank you
>>> Rainer DJ6OA
>>>>> for pointing out that I was using a bogus configuration.
>>> This morning
>>>>> I grabbed the one for Ensemble RX/TX and made a few
>>> changes there. The
>>>>> install instructions say that there is a package missing
>>> if I get an
>>>>> error regarding a ".h" file So, here is what happens when
>>> I attempt to
>>>>> make Quisk:
>>>>>
>>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
>>>>> python setup.py build_ext --force --inplace
>>>>> running build_ext
>>>>> building 'quisk._quisk' extension
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>> quisk.c -o
>>>>> build/temp.linux-armv7l-2.7/quisk.o
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>> sound.c -o
>>>>> build/temp.linux-armv7l-2.7/sound.o
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>> sound_alsa.c -o
>>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>> sound_portaudio.c -o
>>> build/temp.linux-armv7l-2.7/sound_portaudio.o
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>> sound_pulseaudio.c -o
>>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
>>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
>>> No such
>>>>> file or directory
>>>>> compilation terminated.
>>>>> error: command 'gcc' failed with exit status 1
>>>>> makefile:3: recipe for target 'all' failed
>>>>> make: *** [all] Error 1

>>>>>
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>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1785. RE: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 03:25:53 UTC
From: MIKE DURKIN
Topic: 1767 Message: 1785

Your confusing the USB soundcard with the USB Si570 controller on the ensemble ...

in a terminal with the soundcard not pluged in or the ensemble ...

type

lsusb

then plug in one of the devices, type lsusb again and see what was added .. you can see the vender ID too ....

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 29 Oct 2015 20:22:18 -0700
> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>
> Sid,
>
> After rebooting the RPi, I now get:
>
> USB device not found VendorID 0x16C0 ProductID 0x5DC
>
> This on the Quisk bottom / status line. Does this indicate that my Tascam US-125M needs a different code than what I entered per your notes? Were those notes specific to the USB sound card you are using?
>
> When I do the cat /proc/asound/cards, I see my Tascam as:
>
> 1 [CODEC] : USB-Audio - USB Audio CODEC
> Burr-Brown from TI USB Audio Codec at usb-bcm2708_usb-1.4.2, full speed
>
> Jim
>
>
> > On Thursday, Oct 29, 2015, at Thursday, 6:37 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > "ls -l /dev/softrock" to check the device is created.
> > # grep dialout /etc/group
> > dialout:x:20:odroid,lancelot
> >
> > It could be that your user is not a member of the dialout group. I'll
> > have to amend my README_G3VBV.txt I have sent to some users with all
> > the pre-req packages and config options.
> > "nano /etc/group"
> > Add your user, e.g

> > dialout:x:20:pi
> > 73 ... Sid.
> >
> > On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
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> >> Jim Bennett / W6JHB
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> >>>
> >>> USB Control
> >>>
> >>> Many radio devices are now controlled through a USB interface. In
> >>> many cases, the interface is actually a serial port, and an external
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> >>> is native, but requires a custom device driver. In still other cases,
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> >>> device or human interface device, and uses a standard operating
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> >>>
> >>>
> >>> Linux
> >>>
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> >>> bus. You may find that Quisk will complain about lack of permission
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> >>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
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> >>>
> >>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
> >>> MODE="0666", GROUP="dialout"
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> >>> This changes the USB device permissions to read/write for all users,
> >>> and changes the group to the "dialout" group. Default group
> >>> permissions are read/write, so if you are in the "dialout" group, you
> >>> don't need "MODE"; modify as appropriate. To load the new rule, you
> >>> can either reboot or on Ubuntu use
> >>>
> >>> sudo udevadm control --reload-rules
> >>>
> >>>
> >>> from
> >>>

> >>> http://james.ahlstrom.name/quisk/docs.html#USBControl
> >>>
> >>> Did you see this yet?
> >>>
> >>> ---
> >>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> Date: Thu, 29 Oct 2015 16:37:02 -0700
> >>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
> >>>
> >>> I did some Google searching and came across a couple web hits where
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> >>>
> >>> OK - back from picking up my son at school.
> >>>
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> >>> After Quisk starts up and I have the configuration screen and
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> >>> this error posted on the bottom line:
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> >>> an error on the bottom of the screen about not having
> >>> permission for the USB stuff. I'm not at home at the moment;
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> >>> very good news is that Quick now fires up and the buttons are
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> >>>>> On 29/10/15 19:32, James Bennettw6jhb@...
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> >>>>>
> >>>>> I've gone back through the install instructions (yes, I
> >>> had read them
> >>>>> before..) and made sure I've installed every other package
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> >>> pasted below
> >>>>> for a missing file. I'm stumped. By the way - thank you
> >>> Rainer DJ6OA
> >>>>> for pointing out that I was using a bogus configuration.
> >>> This morning
> >>>>> I grabbed the one for Ensemble RX/TX and made a few
> >>> changes there. The
> >>>>> install instructions say that there is a package missing
> >>> if I get an
> >>>>> error regarding a ".h" file So, here is what happens when
> >>> I attempt to
> >>>>> make Quisk:
> >>>>>
> >>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
> >>>>> python setup.py build_ext --force --inplace
> >>>>> running build_ext
> >>>>> building 'quisk._quisk' extension
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> quisk.c -o
> >>>>> build/temp.linux-armv7l-2.7/quisk.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound_alsa.c -o

> >>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_portaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_portaudio.o
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> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_pulseaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> >>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> >>> No such
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> >>>>> error: command 'gcc' failed with exit status 1
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1786. RE: [n2adr-sdr] Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-10-30 03:47:44 UTC
From: artus1947@...
Topic: 1757 Message: 1786

Mike,

The driver is enumerating correctly; it shows up in the device manger. Further, the Yoyodyne sound card is identified correctly by Quisk. I'll look at posting the other forum.

73,
Jack

1787. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 04:53:11 UTC
From: James Bennett
Topic: 1767 Message: 1787

Mike - very cool - thanks. I did as you said and got the vendorID and productID for the Tascam USB device from the output.

Interestingly, plugging/unplugging the SoftRock RXTX USB cable does not make a change in the lsusb report. I wonder if it is because I have it going through a powered USB hub, and not directly into the RPi?

Jim Bennett / W6JHB
Folsom, CA

> On Oct 29, 2015, at 8:25 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Your confusing the USB soundcard with the USB Si570 controller on the ensemble ...
>
> in a terminal with the soundcard not pluged in or the ensemble ...
>
> type
>
> lsusb
>
> then plug in one of the devices, type lsusb again and see what was added .. you can see the vender ID too ....
>
>
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 29 Oct 2015 20:22:18 -0700
> > Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
> >
> > Sid,
> >
> > After rebooting the RPi, I now get:
> >
> > USB device not found VendorID 0x16C0 ProductID 0x5DC
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> > This on the Quisk bottom / status line. Does this indicate that my Tascam US-125M needs a different code than what I entered per your notes? Were those notes specific to the USB sound card you are using?
> >
> > When I do the cat /proc/asound/cards, I see my Tascam as:
> >
> > 1 [CODEC] : USB-Audio - USB Audio CODEC
> > Burr-Brown from TI USB Audio Codec at usb-bcm2708_usb-1.4.2, full speed
> >

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> >
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> > > On Thursday, Oct 29, 2015, at Thursday, 6:37 PM, Sid Boyce g3vbv@blueyonder.co.uk
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> > >
> > > "ls -l /dev/softrock" to check the device is created.
> > > # grep dialout /etc/group
> > > dialout:x:20:odroid,lancelot
> > >
> > > It could be that your user is not a member of the dialout group. I'll
> > > have to amend my README_G3VBV.txt I have sent to some users with all
> > > the pre-req packages and config options.
> > > "nano /etc/group"
> > > Add your user, e.g
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> > >> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
> > >> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> > >>> USB Control
> > >>>
> > >>> Many radio devices are now controlled through a USB interface. In
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> > >>> is native, but requires a custom device driver. In still other cases,
> > >>> the USB device announces itself as a standard device such as a sound
> > >>> device or human interface device, and uses a standard operating
> > >>> system built-in driver.
> > >>>
> > >>>
> > >>> Linux
> > >>>
> > >>> Default USB permissions do not allow a non-root user to write to the
> > >>> bus. You may find that Quisk will complain about lack of permission
> > >>> to access the USB. You could test this by running Quisk as root and
> > >>> seeing if that works; but this is not acceptable except for testing.
> > >>> To change USB permissions, add a rule to
> > >>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
> > >>> like this:

> > >>>
> > >>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
> > >>> MODE="0666", GROUP="dialout"
> > >>>
> > >>> This changes the USB device permissions to read/write for all users,
> > >>> and changes the group to the "dialout" group. Default group
> > >>> permissions are read/write, so if you are in the "dialout" group, you
> > >>> don't need "MODE"; modify as appropriate. To load the new rule, you
> > >>> can either reboot or on Ubuntu use
> > >>>
> > >>> sudo udevadm control --reload-rules
> > >>>
> > >>>
> > >>> from
> > >>>
> > >>> http://james.ahlstrom.name/quisk/docs.html#USBControl
> > >>>
> > >>> Did you see this yet?
> > >>>
> > >>> --
> > >>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >>> Date: Thu, 29 Oct 2015 16:37:02 -0700
> > >>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
> > >>>
> > >>> I did some Google searching and came across a couple web hits where
> > >>> Sid had asked about this very same thing. And, I thought that
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> > >>>
> > >>>
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> > >>> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
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> > >>>
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> > >>> permission for the USB stuff. I'm not at home at the moment;
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> > >>> very good news is that Quick now fires up and the buttons are
> > >>> clickable!!!
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> > >>> Jim
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> > >>>> On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@blueyonder.co.uk
> > >>> <mailto:g3vbv@...>[n2adr-sdr]
> > >>> <n2adr-sdr@yahoogroups.com
> > >>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> > >>>>
> > >>>> /usr/include/pulse/pulseaudio.h is supplied by the
> > >>> libpulse-dev package.
> > >>>> 73 ... Sid.
> > >>>>
> > >>>>> On 29/10/15 19:32, James Bennettw6jhb@...
> > >>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
> > >>>>>
> > >>>>> I've gone back through the install instructions (yes, I
> > >>> had read them
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> > >>>>> documented. When I do the build of Quisk, I get the error
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> > >>>>> for pointing out that I was using a bogus configuration.
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> > >>>>> I grabbed the one for Ensemble RX/TX and made a few
> > >>> changes there. The
> > >>>>> install instructions say that there is a package missing
> > >>> if I get an
> > >>>>> error regarding a ".h" file So, here is what happens when
> > >>> I attempt to
> > >>>>> make Quisk:
> > >>>>>
> > >>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
> > >>>>> python setup.py build_ext --force --inplace
> > >>>>> running build_ext

> > >>>>> building 'quisk._quisk' extension
> > >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> > >>> -Wall
> > >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> > >>> quisk.c -o
> > >>>>> build/temp.linux-armv7l-2.7/quisk.o
> > >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> > >>> -Wall
> > >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> > >>> sound.c -o
> > >>>>> build/temp.linux-armv7l-2.7/sound.o
> > >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
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> > >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> > >>> sound_alsa.c -o
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> > >>> -Wall
> > >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> > >>>>> sound_portaudio.c -o
> > >>> build/temp.linux-armv7l-2.7/sound_portaudio.o
> > >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> > >>> -Wall
> > >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> > >>>>> sound_pulseaudio.c -o
> > >>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > >>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> > >>> No such
> > >>>>> file or directory
> > >>>>> compilation terminated.
> > >>>>> error: command 'gcc' failed with exit status 1
> > >>>>> makefile:3: recipe for target 'all' failed
> > >>>>> make: *** [all] Error 1
> > >>>>>
> > >>>>>
> > >>>>
> > >>>>
> > >>>> --
> > >>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > >>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
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1788. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 05:04:42 UTC
From: James Bennett
Topic: 1767 Message: 1788

Sid - see the message I just posted in reply to Mike about the vendorID and productID from the lusb command. In the morning I will place my codes into that rules file and see if that helps.

Also, you said to do a ls -l /dev/softrock. I tried, but that softrock sub-directory does not exist in the /dev folder.

Before I edit that group, can you explain to me what the x:20: is?

73, Jim
Jim Bennett / W6JHB
Folsom, CA

> On Oct 29, 2015, at 6:37 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> "ls -l /dev/softrock" to check the device is created.
> # grep dialout /etc/group
> dialout:x:20:odroid,lancelot
>
> It could be that your user is not a member of the dialout group. I'll
> have to amend my README_G3VBV.txt I have sent to some users with all
> the pre-req packages and config options.
> "nano /etc/group"
> Add your user, e.g
> dialout:x:20:pi
> 73 ... Sid.
>
>> On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
>> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
>> needed to get it in place! I'll give it a shot after dinner this evening.
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
>> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>>
>>> USB Control
>>>
>>> Many radio devices are now controlled through a USB interface. In
>>> many cases, the interface is actually a serial port, and an external
>>> or internal USB to serial converter is used. In other cases, the USB
>>> is native, but requires a custom device driver. In still other cases,

>>> the USB device announces itself as a standard device such as a sound
>>> device or human interface device, and uses a standard operating
>>> system built-in driver.
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>>> Default USB permissions do not allow a non-root user to write to the
>>> bus. You may find that Quisk will complain about lack of permission
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>>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
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>>> MODE="0666", GROUP="dialout"
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>>> This changes the USB device permissions to read/write for all users,
>>> and changes the group to the "dialout" group. Default group
>>> permissions are read/write, so if you are in the "dialout" group, you
>>> don't need "MODE"; modify as appropriate. To load the new rule, you
>>> can either reboot or on Ubuntu use
>>>
>>> sudo udevadm control --reload-rules
>>>
>>>
>>> from
>>>
>>> http://james.ahlstrom.name/quisk/docs.html#USBControl
>>>
>>> Did you see this yet?
>>>
>>> --
>>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> Date: Thu, 29 Oct 2015 16:37:02 -0700
>>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
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>>> I did some Google searching and came across a couple web hits where
>>> Sid had asked about this very same thing. And, I thought that
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>>> an error on the bottom of the screen about not having
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```
>>> Rainer DJ6OA
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>>> I attempt to
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>>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
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>>>>> running build_ext
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>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>> quisk.c -o
>>>>> build/temp.linux-armv7l-2.7/quisk.o
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>>> -Wall
>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>> sound.c -o
>>>>> build/temp.linux-armv7l-2.7/sound.o
>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>> -Wall
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>>> -Wall
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>>> No such
>>>>> file or directory
>>>>> compilation terminated.
>>>>> error: command 'gcc' failed with exit status 1
>>>>> makefile:3: recipe for target 'all' failed
>>>>> make: *** [all] Error 1
>>>>
>>>>
>>>> --
```

>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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1789. RE: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 05:25:09 UTC
From: MIKE DURKIN
Topic: 1767 Message: 1789

Most likely ....

Try building a seperate power source for the Rx/Tx and do not have the USB device on the softrock powered from the 5V of the USB hub ....

Hubs and powering the softrock from USB power has many times been an issue .....

Try to use the softrock on the RiPi ... and what else thats possible on the hub ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 21:53:11 -0700
Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Mike - very cool - thanks. I did as you said and got the vendorID and productID for the Tascam USB device from the output.

Interestingly, plugging/unplugging the SoftRock RXTX USB cable does not make a change in the lsusb report. I wonder if it is because I have it going through a powered USB hub, and not directly into the RPi?
Jim Bennett / W6JHBFolsom, CA
On Oct 29, 2015, at 8:25 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Your confusing the USB soundcard with the USB Si570 controller on the ensemble ...

in a terminal with the soundcard not pluged in or the ensemble ...

type

lsusb

then plug in one of the devices, type lsusb again and see what was added .. you can see the vender ID too ....

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 29 Oct 2015 20:22:18 -0700
> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>
> Sid,
>
> After rebooting the RPi, I now get:
>
> USB device not found VendorID 0x16C0 ProductID 0x5DC
>
> This on the Quisk bottom / status line. Does this indicate that my Tascam US-125M needs a different code than what I entered per your notes? Were those notes specific to the USB

sound card you are using?
>
> When I do the cat /proc/asound/cards, I see my Tascam as:
>
> 1 [CODEC] : USB-Audio - USB Audio CODEC
> Burr-Brown from TI USB Audio Codec at usb-bcm2708_usb-1.4.2, full speed
>
> Jim
>
>
> > On Thursday, Oct 29, 2015, at Thursday, 6:37 PM, Sid Boyce g3vbv@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
> >
> > "ls -l /dev/softrock" to check the device is created.
> > # grep dialout /etc/group
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> > It could be that your user is not a member of the dialout group. I'll
> > have to amend my README_G3VBV.txt I have sent to some users with all
> > the pre-req packages and config options.
> > "nano /etc/group"
> > Add your user, e.g
> > dialout:x:20:pi
> > 73 ... Sid.
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> >>> sudo udevadm control --reload-rules
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> >>>
> >>> from
> >>>
> >>> http://james.ahlstrom.name/quisk/docs.html#USBControl
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> >>> Did you see this yet?
> >>>
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> >>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
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> >>>> 73 ... Sid.
> >>>>
> >>>>> On 29/10/15 19:32, James Bennettw6jhb@...
> >>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
> >>>>>
> >>>>> I've gone back through the install instructions (yes, I
> >>> had read them
> >>>>> before..) and made sure I've installed every other package
> >>> that is
> >>>>> documented. When I do the build of Quisk, I get the error
> >>> pasted below
> >>>>> for a missing file. I'm stumped. By the way - thank you
> >>> Rainer DJ6OA
> >>>>> for pointing out that I was using a bogus configuration.
> >>> This morning
> >>>>> I grabbed the one for Ensemble RX/TX and made a few
> >>> changes there. The
> >>>>> install instructions say that there is a package missing
> >>> if I get an
> >>>>> error regarding a ".h" file So, here is what happens when

```
> >>> I attempt to
> >>>>> make Quisk:
> >>>>>
> >>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
> >>>>> python setup.py build_ext --force --inplace
> >>>>> running build_ext
> >>>>> building 'quisk._quisk' extension
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> quisk.c -o
> >>>>> build/temp.linux-armv7l-2.7/quisk.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound_alsa.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_portaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_portaudio.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_pulseaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> >>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> >>> No such
> >>>>> file or directory
> >>>>> compilation terminated.
> >>>>> error: command 'gcc' failed with exit status 1
> >>>>> makefile:3: recipe for target 'all' failed
> >>>>> make: *** [all] Error 1
> >>>>>
> >>>>>
> >>>>
> >>>>
> >>>> --
> >>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
> >>> Support
> >>>> Senior Staff Specialist, Cricket Coach
> >>>> Microsoft Windows Free Zone - Linux used for all Computing
> >>> Tasks
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1790. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 05:35:14 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1790

Sid, something new to ponder ....

I accidentally left the computer on, not running quisk .....

I came back at least 4 hrs later and ... figured , what the heck ... every one is asleep .. ill try again ....

Changed quisk_conf.py sound devices back to "pulse", saved ....

and launched quisk ... set the devices to their proper source/sink ... and wham ... working ....

So ..... tried adding the correct device names to "pulse:USB Sound Device Blah Blah Blah"

Every thing works ......

Reboot .... and nothing is working again .....

BUT not a clean reboot ..... the first time that teh Odroid came up my DisplayLink was green and stayed that way ... had to power off and boot again (kinda a normal thing sortof -- not often but happens)

after that booted up screen was normal action but now quisk and the soundcards are latent like crazy ....

Im wondering if im having some USB resource issue ....

I disabled quisk from autolaunch apon reboot ....

and rebooted again ... still no joy .....

Now when i came back to the computer when it was on for 4 hours the screen saver was on .... just saying.

Im going to boot the odroid tomarrow and launch quisk after an hour or so .... if it works then ill guess --- well i dont know.... but finding ways that it does work in a regular basis is about the only way to figure why it does not work right after boot like it should.

Kinda wish my HDMI was not blown --- sigh.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 20:17:33 -0700
Subject: RE: [n2adr-sdr] Via Tech sound

get one of those Syba SD-AUD20101 (they are still around 10$)

USB 2.0 Full-speed (12Mbps), USB Audio Device Compliant

USB Bus Powered. External Power Not Required

VIA Envy VT1620A Audio Controller
and see if it works with the UHFSDR ....

Im confused as to why it would work one day with just "pulse" and not the next ....

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 30 Oct 2015 02:23:14 +0000
> Subject: Re: [n2adr-sdr] Via Tech sound
>
> Seems only to show the default card which in my case is card 1 on ODROID-U3.
>
> Is pulseaudio running? If so is it showing "m" against the entries in
> "fuser -v /dev/snd/*"?
> # fuser -v /dev/snd/*
> USER PID ACCESS COMMAND
> /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
>
> I am using quisk with pulse, works and has always worked as user and root.
> I only need a sound card for Mic/Speakers with the HiQSDR and the 2
> Hermes-Lite.
>
> I must try to see if I can put a RXTX, UHFSDR + SDR-Widget or SR63ng +
> Mobo + SDR-Widget in service again.
> 73 ... Sid.
>
>
> On 29/10/15 22:56, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > Sid,
> > pactl info
> >
> > does not show all of my sink/sources .... it only shows the internal i think
> >
> > today i tried to use the names shown on quisk's config/sound tab ...
> > No luck ... but now just using "pulse"is no longer working .... seems like too much
delay
> >
> > bugs a guy when its kinda working one day and the next just refuses to ...
> >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: n2adr-sdr@yahoogroups.com
> > > Date: Thu, 29 Oct 2015 13:18:32 +0000
> > > Subject: Re: [n2adr-sdr] Via Tech sound
> > >
> > > Mainly for Mike who has delved into these issues many times and has
> > > built and installed a new ODROID kernel to enable snd_aloop the
> > loopback
> > > module for digital modes like wspr and fldigi native apps to be used
> > > with quisk.

> > > Using pulse may be a bit complex for newbies to understand.
> > >
> > > If using pulseaudio for devices, e.g
> > > # cat /proc/asound/cards
> > > 0 [Audio]: Built-in_Audio - Built-in Audio
> > > Built-in Audio
> > > 1 [Device]: USB-Audio - USB Sound Device
> > > USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
> > >
> > > # fuser -v /dev/snd/*
> > > USER PID ACCESS COMMAND
> > > /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> > > /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> > > /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
> > > The above shows card 1 being used by pulseaudio, "m" says it's
> > writeable.
> > >
> > > In this case I'm only using card 1 for Mic/Speakers.
> > > As in the README, hw:1 or plughw:1 are typical.
> > > Best to keep it simple.
> > > I didn't see any problems in ~/.quisk_conf.py other than the ones I
> > > pointed out earlier and showed how to configure the 2 sound cards.
> > >
> > > # pactl info
> > > Server String: unix:/run/user/1002/pulse/native
> > > Library Protocol Version: 28
> > > Server Protocol Version: 28
> > > Is Local: yes
> > > Client Index: 906
> > > Tile Size: 65496
> > > User Name: lancelot
> > > Host Name: odroidu3
> > > Server Name: pulseaudio
> > > Server Version: 4.0
> > > Default Sample Specification: s16le 2ch 48000Hz
> > > Default Channel Map: front-left,front-right
> > > Default Sink:
> > alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > > Default Source:
> > alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > > Cookie: b3de:784e
> > >
> > > # grep pulse ~/.quisk_conf.py
> > > ####show_pulse_audio_devices = True
> > > name_of_sound_play =
> > > "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > > microphone_name =
> > > "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > > 73 ... Sid.
> > >

> > > On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > > >
> > > > Well since Jim made some changes (with help) to the audio code (?)
> > ....
> > > >
> > > > I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that
> > > > was 1/4 the size of my current USB sound card ....
> > > >
> > > > I couldnt get it to work with
> > > > name_of_sound_capt = "hw:1,0"
> > > > or
> > > > name_of_sound_capt = "Via Tech"
> > > >
> > > > but
> > > >
> > > > name_of_sound_capt = "pulse" did work.
> > > >
> > > > Is there a way to name the pulse devices i wanted used in the config
> > > > file ...
> > > >
> > > > Or maybe Sid knows a way to use a script to reorder the devices so
> > > > that when quisk launches it automatically sets the correct devices
> > for
> > > > radio I/Q and Mic/Speaker
> > > >
> > > > Also ... can the sound capture device be set for 96Khz while the
> > > > mic/speaker is 48khz ?
> > > >
> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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> Senior Staff Specialist, Cricket Coach
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1791. split in quisk

Yahoo group: n2adr-sdr
Date: 2015-10-30 08:26:55 UTC
From: Gena Pechen
Topic: 1681 Message: 1791
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1792. RE: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 12:35:52 UTC
From: rainerfeldkamp@...
Topic: 1767 Message: 1792

W A R N I N G !

The RXTX ensemble was designed for good reason such that the power supply for the ATTiny and the Si570 are galvanically separate from the power supply of the rest of the circuitry, which has to be supplied by 12V via the power jack of the RXTX ensemble. Do not connect any other power supply to the ATTiny and the Si570 portion of the circuit than the USB cable, possibly via an active hub. You might damage your Raspberry. An active hub should not required normally.

Check the voltages across C53 (5V) and C56 (3.3V). If not, check the USB connection and power supply of the active hub, if any

If these voltages are correct, check the file /etc/udev/rules.d/99-softrock.rules by letter, commas and spaces whether this file is identical to the file indicated in the 'Documentation for Quisk'. udev is not forgiving for any mistake in this file.

Alternatively, try to start quisk as root.

73, Rainer

1793. Re: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-10-30 13:14:06 UTC
From: Gena Pechen
Topic: 1681 Message: 1793
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1794. Re: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-10-30 16:04:02 UTC
From: dh5ym@...
Topic: 1681 Message: 1794

Hi Gena,

yes, the split function works fine. There is currently just a problem with the RIT function in split mode. In Split mode the RIT is just active for the auxiliary RX (green line). Jim already knows that. Since in SSB you usually do not need the RIT you do not notice it. For CW the RIT is used to make the CW tone in RX. Therefore you do not hear CW signals on the main (red) RX if you have split enabled. The Split function itself is rather cool because you can listen to two frequencies in between your CQ calls and you can easliy swap main and auxiliary for calling a station you found via the 2nd RX. The lower frequency is always on the left speaker and the upper frequency is on the right speaker. With headphones you immediately hear were you have been called ;)

73
Mario, DH5YM

1795. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 17:10:31 UTC
From: James Bennett
Topic: 1767 Message: 1795

All - moving the Ensemble RXTX USB cable off of the USB hub and directly into the Raspberry Pi resolved the issue of the RPi not being seen in the lsusb output.

What the current situation is: Quick starts up, but I am still getting the “No permission to access the SoftRock USB interface” message at the bottom of the Quisk screen. I have verified that my userID (pi) is in /etc/group - it was already there. Suggestions how to get past this one?

Jim

1796. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 18:05:19 UTC
From: Sid Boyce
Topic: 1767 Message: 1796

Short answer it's put there by the OS at install time.

x - is a placement for a password if needed and the passwords are
supplied by /etc/shadow as a long string of characters, not needed for
the dialout group, 20 is the dialout group designator.

/etc/shadow will look something like this with the passwords encrypted:-
pi:$6x37Gn48BMJ3xYotdDS9xzY:16207:0:99999:7:::
The password is the long string between the first 2 ::
If you forgot the password for a user, you would delete the string so
you get, e.g
pi::16207:0:99999:7:::
Then you can use the passwd command to set up a new password.

OK on the direct connection to the Pi 2 USB.
The Pi B has a limitation on the number of USB devices which it could
drive. Using a Pi B and the powered hub, attaching a keyboard, mouse and
an outboard audio box killed USB.

I had no trouble powering my HiQSDR Audio dongle, touch for the
touchscreen and a Ethernet dongle from a powered hub using the model B,
swapping it out for the Pi 2 it drives the extra devices without crashing.

The +5V to the hub provided by +13.8V --> 3A DC/DC convertor off Ebay.
+6.5V to the HiQSDR also powered by another 3A DC/DC convertor.
73 ... Sid.

On 30/10/15 05:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid - see the message I just posted in reply to Mike about the
> vendorID and productID from the lusb command. In the morning I will
> place my codes into that rules file and see if that helps.
>
> Also, you said to do a ls -l /dev/softrock. I tried, but that softrock
> sub-directory does not exist in the /dev folder.
>
> Before I edit that group, can you explain to me what the x:20: is?
>
> 73, Jim
> Jim Bennett / W6JHB
> Folsom, CA
>
> > On Oct 29, 2015, at 6:37 PM, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > "ls -l /dev/softrock" to check the device is created.

> > # grep dialout /etc/group
> > dialout:x:20:odroid,lancelot
> >
> > It could be that your user is not a member of the dialout group. I'll
> > have to amend my README_G3VBV.txt I have sent to some users with all
> > the pre-req packages and config options.
> > "nano /etc/group"
> > Add your user, e.g
> > dialout:x:20:pi
> > 73 ... Sid.
> >
> >> On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
> >> needed to get it in place! I'll give it a shot after dinner this
> evening.
> >>
> >> Jim Bennett / W6JHB
> >> Folsom, CA
> >>
> >> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
> >> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>
> >>>
> >>> USB Control
> >>>
> >>> Many radio devices are now controlled through a USB interface. In
> >>> many cases, the interface is actually a serial port, and an external
> >>> or internal USB to serial converter is used. In other cases, the USB
> >>> is native, but requires a custom device driver. In still other cases,
> >>> the USB device announces itself as a standard device such as a sound
> >>> device or human interface device, and uses a standard operating
> >>> system built-in driver.
> >>>
> >>>
> >>> Linux
> >>>
> >>> Default USB permissions do not allow a non-root user to write to the
> >>> bus. You may find that Quisk will complain about lack of permission
> >>> to access the USB. You could test this by running Quisk as root and
> >>> seeing if that works; but this is not acceptable except for testing.
> >>> To change USB permissions, add a rule to
> >>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
> >>> like this:
> >>>
> >>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
> >>> MODE="0666", GROUP="dialout"
> >>>
> >>> This changes the USB device permissions to read/write for all users,
> >>> and changes the group to the "dialout" group. Default group

> >>> permissions are read/write, so if you are in the "dialout" group, you
> >>> don't need "MODE"; modify as appropriate. To load the new rule, you
> >>> can either reboot or on Ubuntu use
> >>>
> >>> sudo udevadm control --reload-rules
> >>>
> >>>
> >>> from
> >>>
> >>> http://james.ahlstrom.name/quisk/docs.html#USBControl
> >>>
> >>> Did you see this yet?
> >>>
> >>> --
> >>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> Date: Thu, 29 Oct 2015 16:37:02 -0700
> >>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
> >>>
> >>> I did some Google searching and came across a couple web hits where
> >>> Sid had asked about this very same thing. And, I thought that
> >>> additing that 99-softrock.rules resolved the problem?
> >>>
> >>> Jim
> >>>
> >>>
> >>>
> >>> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
> >>> w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]
> >>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>>
> >>> OK - back from picking up my son at school.
> >>>
> >>>
> >>> After Quisk starts up and I have the configuration screen and
> >>> itâ€™s five tabs in front of me. Iâ€™m able to click
> various tabs
> >>> but there is no data to be seen. And Iâ€™m sure it is because of
> >>> this error posted on the bottom line:
> >>>
> >>> No permission to access the SoftRock USB interface
> >>>
> >>> Iâ€™m sure Iâ€™ve got something messed up - where to look to
> >>> resolve this?
> >>>
> >>>
> >>> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James
> >>> Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr]
> >>> <n2adr-sdr@yahoogroups.com
> >>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:

> >>>
> >>> Sid - yep, it is there. The error was caused by my not
> >>> copying the configure file to my home directory. I did that
> >>> and Quisk started up somewhat properly. However, I am getting
> >>> an error on the bottom of the screen about not having
> >>> permission for the USB stuff. I'm not at home at the moment;
> >>> will look into that when I get back in an hour or so. But the
> >>> very good news is that Quick now fires up and the buttons are
> >>> clickable!!!
> >>>
> >>> Jim
> >>>
> >>>> On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@...
> >>> <mailto:g3vbv@...>[n2adr-sdr]
> >>> <n2adr-sdr@yahoogroups.com
> >>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>>>
> >>>> /usr/include/pulse/pulseaudio.h is supplied by the
> >>> libpulse-dev package.
> >>>> 73 ... Sid.
> >>>>
> >>>>> On 29/10/15 19:32, James Bennettw6jhb@...
> >>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
> >>>>>
> >>>>> I've gone back through the install instructions (yes, I
> >>> had read them
> >>>>> before..) and made sure I've installed every other package
> >>> that is
> >>>>> documented. When I do the build of Quisk, I get the error
> >>> pasted below
> >>>>> for a missing file. I'm stumped. By the way - thank you
> >>> Rainer DJ6OA
> >>>>> for pointing out that I was using a bogus configuration.
> >>> This morning
> >>>>> I grabbed the one for Ensemble RX/TX and made a few
> >>> changes there. The
> >>>>> install instructions say that there is a package missing
> >>> if I get an
> >>>>> error regarding a ".h" file So, here is what happens when
> >>> I attempt to
> >>>>> make Quisk:
> >>>>>
> >>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
> >>>>> python setup.py build_ext --force --inplace
> >>>>> running build_ext
> >>>>> building 'quisk._quisk' extension
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> quisk.c -o

> >>>>> build/temp.linux-armv7l-2.7/quisk.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound_alsa.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_portaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_portaudio.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_pulseaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> >>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> >>> No such
> >>>>> file or directory
> >>>>> compilation terminated.
> >>>>> error: command 'gcc' failed with exit status 1
> >>>>> makefile:3: recipe for target 'all' failed
> >>>>> make: *** [all] Error 1
> >>>>
> >>>>
> >>>> --
> >>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
> >>> Support
> >>>> Senior Staff Specialist, Cricket Coach
> >>>> Microsoft Windows Free Zone - Linux used for all Computing
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1797. RE: [n2adr-sdr] Via Tech sound

Yahoo group: n2adr-sdr
Date: 2015-10-30 18:18:28 UTC
From: MIKE DURKIN
Topic: 1761 Message: 1797

And more now ....

I can reliably use the new Via sound card ...

If when ...

Via is unpluged when booting, once done plug in .....

then before quisk is ran, pavucontrol launched, then quisk ....

When done in this order i can launch quisk with "pulse:USB Audio Blah Blah" in the config ...

Its nice having hte 24bit sound source .... but im not sure im willing to go through all that ....

I probably should look to getting a C1 and remove the Odroid-x2

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 22:35:14 -0700
Subject: RE: [n2adr-sdr] Via Tech sound

Sid, something new to ponder ....

I accidentally left the computer on, not running quisk .....

I came back at least 4 hrs later and ... figured , what the heck ... every one is asleep .. ill try again ....

Changed quisk_conf.py sound devices back to "pulse", saved ....

and launched quisk ... set the devices to their proper source/sink ... and wham ... working ....

So ..... tried adding the correct device names to "pulse:USB Sound Device Blah Blah Blah"

Every thing works ......

Reboot .... and nothing is working again .....

BUT not a clean reboot ..... the first time that teh Odroid came up my DisplayLink was green and stayed that way ... had to power off and boot again (kinda a normal thing sortof -- not often but happens)

after that booted up screen was normal action but now quisk and the soundcards are latent like crazy ....

Im wondering if im having some USB resource issue ....

I disabled quisk from autolaunch apon reboot ....

and rebooted again ... still no joy .....

Now when i came back to the computer when it was on for 4 hours the screen saver was on .... just saying.

Im going to boot the odroid tomarrow and launch quisk after an hour or so .... if it works then ill guess --- well i dont know.... but finding ways that it does work in a regular basis is about the only way to figure why it does not work right after boot like it should.

Kinda wish my HDMI was not blown --- sigh.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 29 Oct 2015 20:17:33 -0700
Subject: RE: [n2adr-sdr] Via Tech sound

get one of those Syba SD-AUD20101 (they are still around 10$)

USB 2.0 Full-speed (12Mbps), USB Audio Device Compliant

USB Bus Powered. External Power Not Required

VIA Envy VT1620A Audio Controller
and see if it works with the UHFSDR ....

Im confused as to why it would work one day with just "pulse" and not the next ....

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 30 Oct 2015 02:23:14 +0000
> Subject: Re: [n2adr-sdr] Via Tech sound
>
> Seems only to show the default card which in my case is card 1 on ODROID-U3.
>
> Is pulseaudio running? If so is it showing "m" against the entries in
> "fuser -v /dev/snd/*"?
> # fuser -v /dev/snd/*
> USER PID ACCESS COMMAND
> /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
>
> I am using quisk with pulse, works and has always worked as user and root.
> I only need a sound card for Mic/Speakers with the HiQSDR and the 2
> Hermes-Lite.
>
> I must try to see if I can put a RXTX, UHFSDR + SDR-Widget or SR63ng +
> Mobo + SDR-Widget in service again.
> 73 ... Sid.
>
>
> On 29/10/15 22:56, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:

> >
> > Sid,
> > pactl info
> >
> > does not show all of my sink/sources .... it only shows the internal i think
> >
> > today i tried to use the names shown on quisk's config/sound tab ...
> > No luck ... but now just using "pulse"is no longer working .... seems like too much
delay
> >
> > bugs a guy when its kinda working one day and the next just refuses to ...
> >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: n2adr-sdr@yahoogroups.com
> > > Date: Thu, 29 Oct 2015 13:18:32 +0000
> > > Subject: Re: [n2adr-sdr] Via Tech sound
> > >
> > > Mainly for Mike who has delved into these issues many times and has
> > > built and installed a new ODROID kernel to enable snd_aloop the
> > loopback
> > > module for digital modes like wspr and fldigi native apps to be used
> > > with quisk.
> > > Using pulse may be a bit complex for newbies to understand.
> > >
> > > If using pulseaudio for devices, e.g
> > > # cat /proc/asound/cards
> > > 0 [Audio]: Built-in_Audio - Built-in Audio
> > > Built-in Audio
> > > 1 [Device]: USB-Audio - USB Sound Device
> > > USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
> > >
> > > # fuser -v /dev/snd/*
> > > USER PID ACCESS COMMAND
> > > /dev/snd/controlC1: lancelot 1814 F.... pulseaudio
> > > /dev/snd/pcmC1D0c: lancelot 1814 F...m pulseaudio
> > > /dev/snd/pcmC1D0p: lancelot 1814 F...m pulseaudio
> > > The above shows card 1 being used by pulseaudio, "m" says it's
> > writeable.
> > >
> > > In this case I'm only using card 1 for Mic/Speakers.
> > > As in the README, hw:1 or plughw:1 are typical.
> > > Best to keep it simple.
> > > I didn't see any problems in ~/.quisk_conf.py other than the ones I
> > > pointed out earlier and showed how to configure the 2 sound cards.
> > >
> > > # pactl info
> > > Server String: unix:/run/user/1002/pulse/native
> > > Library Protocol Version: 28
> > > Server Protocol Version: 28
> > > Is Local: yes

> > > Client Index: 906
> > > Tile Size: 65496
> > > User Name: lancelot
> > > Host Name: odroidu3
> > > Server Name: pulseaudio
> > > Server Version: 4.0
> > > Default Sample Specification: s16le 2ch 48000Hz
> > > Default Channel Map: front-left,front-right
> > > Default Sink:
> > alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > > Default Source:
> > alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo
> > > Cookie: b3de:784e
> > >
> > > # grep pulse ~/.quisk_conf.py
> > > ####show_pulse_audio_devices = True
> > > name_of_sound_play =
> > > "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > > microphone_name =
> > > "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo"
> > > 73 ... Sid.
> > >
> > > On 29/10/15 06:26, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > > >
> > > > Well since Jim made some changes (with help) to the audio code (?)
> > ....
> > > >
> > > > I thought i would try again a 96Khz@24bit Via Tech SD-AUD20101 that
> > > > was 1/4 the size of my current USB sound card ....
> > > >
> > > > I couldnt get it to work with
> > > > name_of_sound_capt = "hw:1,0"
> > > > or
> > > > name_of_sound_capt = "Via Tech"
> > > >
> > > > but
> > > >
> > > > name_of_sound_capt = "pulse" did work.
> > > >
> > > > Is there a way to name the pulse devices i wanted used in the config
> > > > file ...
> > > >
> > > > Or maybe Sid knows a way to use a script to reorder the devices so
> > > > that when quisk launches it automatically sets the correct devices
> > for
> > > > radio I/Q and Mic/Speaker
> > > >
> > > > Also ... can the sound capture device be set for 96Khz while the
> > > > mic/speaker is 48khz ?
> > > >

> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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1798. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 18:29:15 UTC
From: James Bennett
Topic: 1767 Message: 1798

Sid - any idea how to resolve that problem with “No permission to access the SoftRock USB interface?

Jim

> On Friday, Oct 30, 2015, at Friday, 11:05 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Short answer it's put there by the OS at install time.
>
> x - is a placement for a password if needed and the passwords are
> supplied by /etc/shadow as a long string of characters, not needed for
> the dialout group, 20 is the dialout group designator.
>
> /etc/shadow will look something like this with the passwords encrypted:-
> pi:$6x37Gn48BMJ3xYotdDS9xzY:16207:0:99999:7:::
> The password is the long string between the first 2 ::
> If you forgot the password for a user, you would delete the string so
> you get, e.g
> pi::16207:0:99999:7:::
> Then you can use the passwd command to set up a new password.
>
> OK on the direct connection to the Pi 2 USB.
> The Pi B has a limitation on the number of USB devices which it could
> drive. Using a Pi B and the powered hub, attaching a keyboard, mouse and
> an outboard audio box killed USB.
>
> I had no trouble powering my HiQSDR Audio dongle, touch for the
> touchscreen and a Ethernet dongle from a powered hub using the model B,
> swapping it out for the Pi 2 it drives the extra devices without crashing.
>
> The +5V to the hub provided by +13.8V --> 3A DC/DC convertor off Ebay.
> +6.5V to the HiQSDR also powered by another 3A DC/DC convertor.
> 73 ... Sid.
>
> On 30/10/15 05:04, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:
>>
>> Sid - see the message I just posted in reply to Mike about the
>> vendorID and productID from the lusb command. In the morning I will
>> place my codes into that rules file and see if that helps.
>>
>> Also, you said to do a ls -l /dev/softrock. I tried, but that softrock
>> sub-directory does not exist in the /dev folder.
>>
>> Before I edit that group, can you explain to me what the x:20: is?

>>
>> 73, Jim
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>>> On Oct 29, 2015, at 6:37 PM, Sid Boyce g3vbv@....uk
>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>
>>> "ls -l /dev/softrock" to check the device is created.
>>> # grep dialout /etc/group
>>> dialout:x:20:odroid,lancelot
>>>
>>> It could be that your user is not a member of the dialout group. I'll
>>> have to amend my README_G3VBV.txt I have sent to some users with all
>>> the pre-req packages and config options.
>>> "nano /etc/group"
>>> Add your user, e.g
>>> dialout:x:20:pi
>>> 73 ... Sid.
>>>
>>>> On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>> Hi Mike - yep, I saw it. All but the point where it said a re-boot is
>>>> needed to get it in place! I'll give it a shot after dinner this
>> evening.
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
>>>> <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>>>
>>>>> USB Control
>>>>>
>>>>> Many radio devices are now controlled through a USB interface. In
>>>>> many cases, the interface is actually a serial port, and an external
>>>>> or internal USB to serial converter is used. In other cases, the USB
>>>>> is native, but requires a custom device driver. In still other cases,
>>>>> the USB device announces itself as a standard device such as a sound
>>>>> device or human interface device, and uses a standard operating
>>>>> system built-in driver.
>>>>>
>>>>>
>>>>> Linux
>>>>>
>>>>> Default USB permissions do not allow a non-root user to write to the
>>>>> bus. You may find that Quisk will complain about lack of permission
>>>>> to access the USB. You could test this by running Quisk as root and
>>>>> seeing if that works; but this is not acceptable except for testing.

>>>>> To change USB permissions, add a rule to
>>>>> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
>>>>> like this:
>>>>>
>>>>> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
>>>>> MODE="0666", GROUP="dialout"
>>>>>
>>>>> This changes the USB device permissions to read/write for all users,
>>>>> and changes the group to the "dialout" group. Default group
>>>>> permissions are read/write, so if you are in the "dialout" group, you
>>>>> don't need "MODE"; modify as appropriate. To load the new rule, you
>>>>> can either reboot or on Ubuntu use
>>>>>
>>>>> sudo udevadm control --reload-rules
>>>>>
>>>>>
>>>>> from
>>>>>
>>>>> http://james.ahlstrom.name/quisk/docs.html#USBControl
>>>>>
>>>>> Did you see this yet?
>>>>>
>>>>> --
>>>>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> Date: Thu, 29 Oct 2015 16:37:02 -0700
>>>>> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>>>>>
>>>>> I did some Google searching and came across a couple web hits where
>>>>> Sid had asked about this very same thing. And, I thought that
>>>>> additing that 99-softrock.rules resolved the problem?
>>>>>
>>>>> Jim
>>>>>
>>>>>
>>>>>
>>>>> On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
>>>>> w6jhb@... <mailto:w6jhb@me.com> [n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>
>>>>> OK - back from picking up my son at school.
>>>>>
>>>>>
>>>>> After Quisk starts up and I have the configuration screen and
>>>>> itÃ¢â‚¬â„¢s five tabs in front of me. IÃ¢â‚¬â„¢m able to click
>> various tabs
>>>>> but there is no data to be seen. And IÃ¢â‚¬â„¢m sure it is because of
>>>>> this error posted on the bottom line:
>>>>>
>>>>> No permission to access the SoftRock USB interface

>>>>>
>>>>> IÃ¢â‚¬â„¢m sure IÃ¢â‚¬â„¢ve got something messed up - where to look to
>>>>> resolve this?
>>>>>
>>>>>
>>>>> On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James
>>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...> <mailto:w6jhb@...
<mailto:w6jhb@...>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>
>>>>> Sid - yep, it is there. The error was caused by my not
>>>>> copying the configure file to my home directory. I did that
>>>>> and Quisk started up somewhat properly. However, I am getting
>>>>> an error on the bottom of the screen about not having
>>>>> permission for the USB stuff. I'm not at home at the moment;
>>>>> will look into that when I get back in an hour or so. But the
>>>>> very good news is that Quick now fires up and the buttons are
>>>>> clickable!!!
>>>>>
>>>>> Jim
>>>>>
>>>>>> On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@... <mailto:Boyceg3vbv@...>
>>>>> <mailto:g3vbv@... <mailto:g3vbv@...>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>
>>>>>> /usr/include/pulse/pulseaudio.h is supplied by the
>>>>> libpulse-dev package.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>>> On 29/10/15 19:32, James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>>>>
>>>>>>> I've gone back through the install instructions (yes, I
>>>>> had read them
>>>>>>> before..) and made sure I've installed every other package
>>>>> that is
>>>>>>> documented. When I do the build of Quisk, I get the error
>>>>> pasted below
>>>>>>> for a missing file. I'm stumped. By the way - thank you
>>>>> Rainer DJ6OA
>>>>>>> for pointing out that I was using a bogus configuration.
>>>>> This morning
>>>>>>> I grabbed the one for Ensemble RX/TX and made a few
>>>>> changes there. The
>>>>>>> install instructions say that there is a package missing
>>>>> if I get an
>>>>>>> error regarding a ".h" file So, here is what happens when
>>>>> I attempt to

>>>>>>> make Quisk:
>>>>>>>
>>>>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
>>>>>>> python setup.py build_ext --force --inplace
>>>>>>> running build_ext
>>>>>>> building 'quisk._quisk' extension
>>>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>>>> -Wall
>>>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>> quisk.c -o
>>>>>>> build/temp.linux-armv7l-2.7/quisk.o
>>>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>>>> -Wall
>>>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>> sound.c -o
>>>>>>> build/temp.linux-armv7l-2.7/sound.o
>>>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>>>> -Wall
>>>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>> sound_alsa.c -o
>>>>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
>>>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>>>> -Wall
>>>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>>>> sound_portaudio.c -o
>>>>> build/temp.linux-armv7l-2.7/sound_portaudio.o
>>>>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
>>>>> -Wall
>>>>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
>>>>>>> sound_pulseaudio.c -o
>>>>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
>>>>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
>>>>> No such
>>>>>>> file or directory
>>>>>>> compilation terminated.
>>>>>>> error: command 'gcc' failed with exit status 1
>>>>>>> makefile:3: recipe for target 'all' failed
>>>>>>> make: *** [all] Error 1
>>>>>>
>>>>>>
>>>>>> --
>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
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>>>>>> Senior Staff Specialist, Cricket Coach
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1799. RE: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 18:50:13 UTC
From: MIKE DURKIN
Topic: 1767 Message: 1799

If your not getting a device change listing with lsusb .... your not going to solve the “No permission to access the SoftRock USB interface"

The Pi still thinks it does not have a softrock pluged in ....

you need to solve the reason the USB system is not picking up the pluged in softrock ....

once the softrock is listed in the lsusb list ....

its device ID should looks something like 16c0:05dc (im going from memory on that)

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 30 Oct 2015 11:29:15 -0700
Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Sid - any idea how to resolve that problem with “No permission to access the SoftRock USB interface?

Jim

On Friday, Oct 30, 2015, at Friday, 11:05 AM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:Short answer it's put there by the OS at install time.x - is a placement for a password if needed and the passwords are supplied by /etc/shadow as a long string of characters, not needed for the dialout group, 20 is the dialout group designator./etc/shadow will look something like this with the passwords encrypted:-pi:$6x37Gn48BMJ3xYotdDS9xzY:16207:0:99999:7:::The password is the long string between the first 2 ::If you forgot the password for a user, you would delete the string so you get, e.gpi::16207:0:99999:7:::Then you can use the passwd command to set up a new password.OK on the direct connection to the Pi 2 USB.The Pi B has a limitation on the number of USB devices which it could drive. Using a Pi B and the powered hub, attaching a keyboard, mouse and an outboard audio box killed USB.I had no trouble powering my HiQSDR Audio dongle, touch for the touchscreen and a Ethernet dongle from a powered hub using the model B, swapping it out for the Pi 2 it drives the extra devices without crashing.The +5V to the hub provided by +13.8V --> 3A DC/DC convertor off Ebay.+6.5V to the HiQSDR also powered by another 3A DC/DC convertor.73 ... Sid.On 30/10/15 05:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
Sid - see the message I just posted in reply to Mike about the
vendorID and productID from the lusb command. In the morning I will
place my codes into that rules file and see if that helps.

Also, you said to do a ls -l /dev/softrock. I tried, but that softrock
sub-directory does not exist in the /dev folder.

Before I edit that group, can you explain to me what the x:20: is?

73, Jim
Jim Bennett / W6JHB

Folsom, CA

On Oct 29, 2015, at 6:37 PM, Sid Boyce g3vbv@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

"ls -l /dev/softrock" to check the device is created.
grep dialout /etc/group
dialout:x:20:odroid,lancelot

It could be that your user is not a member of the dialout group. I'll have to amend my README_G3VBV.txt I have sent to some users with all the pre-req packages and config options.
"nano /etc/group"
Add your user, e.g
dialout:x:20:pi
73 ... Sid.

On 30/10/15 00:22, James Bennett w6jhb@... [n2adr-sdr] wrote:
Hi Mike - yep, I saw it. All but the point where it said a re-boot is needed to get it in place! I'll give it a shot after dinner this evening.

Jim Bennett / W6JHB
Folsom, CA

On Oct 29, 2015, at 4:43 PM, MIKE DURKIN Patriot121@...
<mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

USB Control

Many radio devices are now controlled through a USB interface. In many cases, the interface is actually a serial port, and an external or internal USB to serial converter is used. In other cases, the USB is native, but requires a custom device driver. In still other cases, the USB device announces itself as a standard device such as a sound device or human interface device, and uses a standard operating system built-in driver.

Linux

Default USB permissions do not allow a non-root user to write to the bus. You may find that Quisk will complain about lack of permission to access the USB. You could test this by running Quisk as root and seeing if that works; but this is not acceptable except for testing. To change USB permissions, add a rule to /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu) like this:

SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"

This changes the USB device permissions to read/write for all users,
and changes the group to the "dialout" group. Default group
permissions are read/write, so if you are in the "dialout" group, you
don't need "MODE"; modify as appropriate. To load the new rule, you
can either reboot or on Ubuntu use

sudo udevadm control --reload-rules

from

http://james.ahlstrom.name/quisk/docs.html#USBControl

Did you see this yet?

To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
Date: Thu, 29 Oct 2015 16:37:02 -0700
Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

I did some Google searching and came across a couple web hits where
Sid had asked about this very same thing. And, I thought that
additing that 99-softrock.rules resolved the problem?

Jim

On Thursday, Oct 29, 2015, at Thursday, 3:48 PM, James Bennett
w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]
<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

OK - back from picking up my son at school.

After Quisk starts up and I have the configuration screen and
itÃ¢â‚¬â„¢s five tabs in front of me. IÃ¢â‚¬â„¢m able to click
various tabs
but there is no data to be seen. And IÃ¢â‚¬â„¢m sure it is because of
this error posted on the bottom line:

No permission to access the SoftRock USB interface

IÃ¢â‚¬â„¢m sure IÃ¢â‚¬â„¢ve got something messed up - where to look to
resolve this?

On Thursday, Oct 29, 2015, at Thursday, 2:50 PM, James
Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

Sid - yep, it is there. The error was caused by my not
copying the configure file to my home directory. I did that
and Quisk started up somewhat properly. However, I am getting
an error on the bottom of the screen about not having
permission for the USB stuff. I'm not at home at the moment;
will look into that when I get back in an hour or so. But the
very good news is that Quick now fires up and the buttons are

clickable!!!

Jim

On Oct 29, 2015, at 13:37, Sid Boyceg3vbv@...
<mailto:g3vbv@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

/usr/include/pulse/pulseaudio.h is supplied by the
libpulse-dev package.
73 ... Sid.

On 29/10/15 19:32, James Bennettw6jhb@...
<mailto:w6jhb@me.com>[n2adr-sdr] wrote:

I've gone back through the install instructions (yes, I
had read them
before..) and made sure I've installed every other package
that is
documented. When I do the build of Quisk, I get the error
pasted below
for a missing file. I'm stumped. By the way - thank you
Rainer DJ6OA
for pointing out that I was using a bogus configuration.
This morning
I grabbed the one for Ensemble RX/TX and made a few
changes there. The
install instructions say that there is a package missing
if I get an
error regarding a ".h" file So, here is what happens when
I attempt to
make Quisk:

```
pi@raspberrypi ~/quisk-3.7.7 $ make
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
-Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
quisk.c -o
build/temp.linux-armv7l-2.7/quisk.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
-Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
sound.c -o
build/temp.linux-armv7l-2.7/sound.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
-Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
sound_alsa.c -o
```

```
build/temp.linux-armv7l-2.7/sound_alsa.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
-Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
-Wall
-Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
No such
file or directory
compilation terminated.
error: command 'gcc' failed with exit status 1
makefile:3: recipe for target 'all' failed
make: *** [all] Error 1

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing
Tasks

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Yahoo Groups Links

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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Yahoo Groups Links
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1800. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 19:09:06 UTC
From: James Bennett
Topic: 1767 Message: 1800

Mike - I had resolved that issue earlier today and posted it - by moving the RXTX USB cable directly to the RPi and not via a hub, it now shows up in the lusb report. And if rebooted the RPi several times...

Jim Bennett / W6JHB
Folsom, CA

> On Oct 30, 2015, at 11:50 AM, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> If your not getting a device change listing with lsusb .... your not going to solve the “No permission to access the SoftRock USB interface"
>
> The Pi still thinks it does not have a softrock pluged in ....
>
> you need to solve the reason the USB system is not picking up the pluged in softrock ....
>
> once the softrock is listed in the lsusb list ....
>
> its device ID should looks something like 16c0:05dc (im going from memory on that)
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 30 Oct 2015 11:29:15 -0700
> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
>
>
> Sid - any idea how to resolve that problem with “No permission to access the SoftRock USB interface?
>
> Jim
>
>
> On Friday, Oct 30, 2015, at Friday, 11:05 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Short answer it's put there by the OS at install time.
>
> x - is a placement for a password if needed and the passwords are
> supplied by /etc/shadow as a long string of characters, not needed for
> the dialout group, 20 is the dialout group designator.
>
> /etc/shadow will look something like this with the passwords encrypted:-
> pi:$6x37Gn48BMJ3xYotdDS9xzY:16207:0:99999:7:::
> The password is the long string between the first 2 ::

> If you forgot the password for a user, you would delete the string so
> you get, e.g
> pi::16207:0:99999:7:::
> Then you can use the passwd command to set up a new password.
>
> OK on the direct connection to the Pi 2 USB.
> The Pi B has a limitation on the number of USB devices which it could
> drive. Using a Pi B and the powered hub, attaching a keyboard, mouse and
> an outboard audio box killed USB.
>
> I had no trouble powering my HiQSDR Audio dongle, touch for the
> touchscreen and a Ethernet dongle from a powered hub using the model B,
> swapping it out for the Pi 2 it drives the extra devices without crashing.
>
> The +5V to the hub provided by +13.8V --> 3A DC/DC convertor off Ebay.
> +6.5V to the HiQSDR also powered by another 3A DC/DC convertor.
> 73 ... Sid.
>
> On 30/10/15 05:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid - see the message I just posted in reply to Mike about the
> vendorID and productID from the lusb command. In the morning I will
> place my codes into that rules file and see if that helps.
>
> Also, you said to do a ls -l /dev/softrock. I tried, but that softrock
> sub-directory does not exist in the /dev folder.
>
> Before I edit that group, can you explain to me what the x:20: is?
>
> 73, Jim
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Oct 29, 2015, at 6:37 PM, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> "ls -l /dev/softrock" to check the device is created.
> # grep dialout /etc/group
> dialout:x:20:odroid,lancelot
>
> It could be that your user is not a member of the dialout group. I'll
> have to amend my README_G3VBV.txt I have sent to some users with all
> the pre-req packages and config options.
> "nano /etc/group"
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>
> USB Control
>
> Many radio devices are now controlled through a USB interface. In
> many cases, the interface is actually a serial port, and an external
> or internal USB to serial converter is used. In other cases, the USB
> is native, but requires a custom device driver. In still other cases,
> the USB device announces itself as a standard device such as a sound
> device or human interface device, and uses a standard operating
> system built-in driver.
>
>
> Linux
>
> Default USB permissions do not allow a non-root user to write to the
> bus. You may find that Quisk will complain about lack of permission
> to access the USB. You could test this by running Quisk as root and
> seeing if that works; but this is not acceptable except for testing.
> To change USB permissions, add a rule to
> /etc/udev/rules.d/local.rules (for SoftRock on Debian and Ubuntu)
> like this:
>
> SUBSYSTEM=="usb", ATTR{idVendor}=="16c0" , ATTR{idProduct}=="05dc",
> MODE="0666", GROUP="dialout"
>
> This changes the USB device permissions to read/write for all users,
> and changes the group to the "dialout" group. Default group
> permissions are read/write, so if you are in the "dialout" group, you
> don't need "MODE"; modify as appropriate. To load the new rule, you
> can either reboot or on Ubuntu use
>
> sudo udevadm control --reload-rules
>
>
> from
>
> http://james.ahlstrom.name/quisk/docs.html#USBControl
>
> Did you see this yet?
>

> ---
> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 29 Oct 2015 16:37:02 -0700
> Subject: Re: [n2adr-sdr] Quisk / Raspberry Pi Problems
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> Sid had asked about this very same thing. And, I thought that
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> OK - back from picking up my son at school.
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> Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr]
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> Sid - yep, it is there. The error was caused by my not
> copying the configure file to my home directory. I did that
> and Quisk started up somewhat properly. However, I am getting
> an error on the bottom of the screen about not having
> permission for the USB stuff. I'm not at home at the moment;
> will look into that when I get back in an hour or so. But the
> very good news is that Quick now fires up and the buttons are
> clickable!!!
>
> Jim
>
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> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> /usr/include/pulse/pulseaudio.h is supplied by the
> libpulse-dev package.
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> changes there. The
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> if I get an
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> I attempt to
> make Quisk:
>
> pi@raspberrypi ~/quisk-3.7.7 $ make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> -Wall

> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> -Wall
> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> sound_pulseaudio.c -o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> No such
> file or directory
> compilation terminated.
> error: command 'gcc' failed with exit status 1
> makefile:3: recipe for target 'all' failed
> make: *** [all] Error 1
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> Yahoo Groups Links
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1801. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-30 19:45:21 UTC
From: Sid Boyce
Topic: 1767 Message: 1801

"man 5 passwd" shows the breakdown of the fields plus a good desription.
73 ... Sid.

On 30/10/15 05:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid - see the message I just posted in reply to Mike about the
> vendorID and productID from the lusb command. In the morning I will
> place my codes into that rules file and see if that helps.
>
> Also, you said to do a ls -l /dev/softrock. I tried, but that softrock
> sub-directory does not exist in the /dev folder.
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> Before I edit that group, can you explain to me what the x:20: is?
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> > dialout:x:20:odroid,lancelot
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> > It could be that your user is not a member of the dialout group. I'll
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> >>>
> >>> sudo udevadm control --reload-rules
> >>>
> >>>
> >>> from
> >>>
> >>> http://james.ahlstrom.name/quisk/docs.html#USBControl
> >>>
> >>> Did you see this yet?
> >>>
> >>> --
> >>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >>> Date: Thu, 29 Oct 2015 16:37:02 -0700
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> >>> <mailto:g3vbv@...>[n2adr-sdr]
> >>> <n2adr-sdr@yahoogroups.com
> >>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>>
> >>> /usr/include/pulse/pulseaudio.h is supplied by the
> >>> libpulse-dev package.
> >>> 73 ... Sid.
> >>>
> >>> On 29/10/15 19:32, James Bennettw6jhb@...
> >>> <mailto:w6jhb@...>[n2adr-sdr] wrote:

> >>>>>
> >>>>> I've gone back through the install instructions (yes, I
> >>> had read them
> >>>>> before..) and made sure I've installed every other package
> >>> that is
> >>>>> documented. When I do the build of Quisk, I get the error
> >>> pasted below
> >>>>> for a missing file. I'm stumped. By the way - thank you
> >>> Rainer DJ6OA
> >>>>> for pointing out that I was using a bogus configuration.
> >>> This morning
> >>>>> I grabbed the one for Ensemble RX/TX and made a few
> >>> changes there. The
> >>>>> install instructions say that there is a package missing
> >>> if I get an
> >>>>> error regarding a ".h" file So, here is what happens when
> >>> I attempt to
> >>>>> make Quisk:
> >>>>>
> >>>>> pi@raspberrypi ~/quisk-3.7.7 $ make
> >>>>> python setup.py build_ext --force --inplace
> >>>>> running build_ext
> >>>>> building 'quisk._quisk' extension
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> quisk.c -o
> >>>>> build/temp.linux-armv7l-2.7/quisk.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>> sound_alsa.c -o
> >>>>> build/temp.linux-armv7l-2.7/sound_alsa.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_portaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_portaudio.o
> >>>>> gcc -pthread -fno-strict-aliasing -DNDEBUG -g -fwrapv -O2
> >>> -Wall
> >>>>> -Wstrict-prototypes -fPIC -I/usr/include/python2.7 -c
> >>>>> sound_pulseaudio.c -o
> >>> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> >>>>> sound_pulseaudio.c:40:30: fatal error: pulse/pulseaudio.h:
> >>> No such

> >>>>> file or directory
> >>>>> compilation terminated.
> >>>>> error: command 'gcc' failed with exit status 1
> >>>>> makefile:3: recipe for target 'all' failed
> >>>>> make: *** [all] Error 1
> >>>>
> >>>>
> >>>> --
> >>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech
> >>> Support
> >>>> Senior Staff Specialist, Cricket Coach
> >>>> Microsoft Windows Free Zone - Linux used for all Computing
> >>> Tasks
> >>>>
> >>>>
> >>>>
> >>>> ------------------------------------
> >>>>
> >>>> ------------------------------------
> >>>>
> >>>>
> >>>> ------------------------------------
> >>>>
> >>>> Yahoo Groups Links
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
> >
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> >
> > Yahoo Groups Links
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1802. Re[2]: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-10-30 22:24:13 UTC
From: Gena Pechen
Topic: 1681 Message: 1802
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1803. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-31 05:06:52 UTC
From: James Bennett
Topic: 1767 Message: 1803

Still cannon get past that USB permission problem. If I start Quisk from within the quisk-3.7.7 directoty by simply entering “python quisk py”, Quisk starts up but I get the “No permission to access the SoftRock USB interface” message on the bottom of the Quisk panel. All the Quisk buttons function properly and I am able to gracefully end the program - just that I’m not having access to something rather important.

The Quisk online documentation sez that if this happens I “should test this by running Quisk as root and seeing if that works.” Since I’m a newbie in the Linux world, I “assume” that I can run it as root by doing an SUDO in front of the above command. Perhaps thats not a good assumption. Very, very different results to be had this way. And I’ll be damned if I know why. When I SUDO startup Quisk, I get a bazillion more error messages (see below) and the Quisk user interface is basically frozen. No buttons work, and the only way to get it ended is to do a Ctrl-C in my terminal session. Ughh…. I did a copy/paste of the two different terminal startup screens and they are below.

I think I’m getting closer to a working application, but I most certainly need an expert’s recommendation on this one.

For information purposes, my userID (pi) is in the dialout group, both my Tascam audio card and the Si570 are shown in the LSUSB report.

Here is what I get with a “normal” startup—>

```
pi@raspberrypi ~/quisk-3.7.7 $ python quisk.py

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-button-images after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-scrolled-window-placement after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-label-select-on-focus after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-can-change-accels after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popup-delay after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popdown-delay after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-images after class was initialised

(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-select-on-focus after class was initialised
```

```
(python:6085): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-password-hint-timeout after class was initialised

And this mess is what happens when I try to do it with the SUDO prefix—>

pi@raspberrypi ~/quisk-3.7.7 $ sudo python quisk.py

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-button-images after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-scrolled-window-placement after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-label-select-on-focus after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-can-change-accels after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popup-delay after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-popdown-delay after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-menu-images after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-select-on-focus after class was initialised

(python:6128): GLib-GObject-WARNING **: Attempt to add property
GtkSettings::gtk-entry-password-hint-timeout after class was initialised
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.front.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM front
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround40.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround40
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround41
```

```
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround50
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround51
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround71.0:CARD=0'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM surround71
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM iec958
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4241:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4720:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm.c:2217:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports only playback stream
Pulseaudio threaded mainloop started
```

1804. Re: [n2adr-sdr] Quisk / Raspberry Pi Problems

Yahoo group: n2adr-sdr
Date: 2015-10-31 16:56:22 UTC
From: James Bennett
Topic: 1767 Message: 1804

PROBLEM SOLVED!

As I've said before (not completely in jest) "I'm not as dumb as I look." :-)

This morning I did some Google searching on those ALSA messages. It seems that (a) I'm not the only one getting them, and (b) they are mostly "harmless", although annoying and disconcerting.

And then I had my daily brain f@rt - I ran a sudo apt-get update. Bingo - Quisk now starts up (without sudo) and appears to run as expected.

Thank you Sid, Mike, Rainier, and others who've helped me get to this point - very, very much appreciated!

73, Jim / W6JHB

p.s. - I do have a question on Quisk operating / performance, but will start a separate thread on that.

1805. Quisk Audio Question

Yahoo group: n2adr-sdr
Date: 2015-10-31 19:03:10 UTC
From: James Bennett
Topic: 1805 Message: 1805

After several days of trial and error trying to get Quisk operational on my Raspberry Pi 2, this morning I finally had success. Now, I have a question on how to resolve a performance issue on receive.

With the radio sitting on 20 meter CW (for example), I'm hearing and seeing a ton of stations with Quisk in the Graph or Wfall mode. However, the audio seems to be cutting in and out. If I click on the Config button, the audio problem ceases and I can hear the signal I have tuned into perfectly. If I go back to Graph or Wfall, it becomes "choppy" again.

I notice that, on the Config->Status display, the fields in the Device area have some numbers that I believe to be related. There are two lines in particular: "Play radio sound" and "Play microphone sound". Both are showing a "Latency" figure that bounces back and forth between 4600 and 5000. The other column that catches my attention is the "Errors" column for those two devices. With the display of the Status tab on the Config area, they do not change. But, when I change Quisk to either Graph or Wfall, and then come back to the Config display, those two fields have increased significantly.

Another thing I see, maybe or maybe not related is at the top of the Config->Status display. There is a line that says: Cannot open capture device hw:0 (No such file or directory)

At this point I have not yet tried to do the "Adjust receive amplitude and phase" procedure. Would this have anything to do with the choppy audio?

What I find interesting is that the audio is only choppy when Quisk is trying to do two things at once: display the Graph and play the received audio.

Suggestions?

1806. Re: [n2adr-sdr] Quisk Audio Question

Yahoo group: n2adr-sdr
Date: 2015-11-01 00:55:05 UTC
From: Eric Thornton
Topic: 1805 Message: 1806

Hello James,

Perhaps you posted your config file in the other thread, but I didn't see it. It sounds like you are using alsa and not pulseaudio? I suspect you are getting latency from cpu maxing out when drawing the waterfall. I have not used a pi2, but I know the pi v. 1B was not up to the task! I'm guessing others have gotten it to work.

At the command propt, type "top" and a screen will come up showing which processes are taking up cpu time. If you see quisk or python taking up 100%, then that is most likely what is happening.

Take a look at the two options below. You can try modifying these values to see if they help. Try increasing the data_poll_usec to something like 20000. That will take some load off alsa. You can also try increasing the latency_millisecs to something like 500 which will buffer more audio on the output and prevent dropouts. I'm using 300/5000 on my setup, but I'm using pulseaudio over a network and the raspberry pi is just acting as a sound server. When I tried to run quisk on my pi (v1B), it took several minutes to open, and then I got bursts of sound about every 10 seconds.

```
latency_millisecs = 300 #was 150
data_poll_usec = 5000 #was 5000
```

Good luck and let us know if this helps.

Eric
KM4DSJ

On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> After several days of trial and error trying to get Quisk operational on
> my Raspberry Pi 2, this morning I finally had success. Now, I have a
> question on how to resolve a performance issue on receive.
>
> With the radio sitting on 20 meter CW (for example), I’m hearing and
> seeing a ton of stations with Quisk in the Graph or Wfall mode. However,
> the audio seems to be cutting in and out. If I click on the Config button,
> the audio problem ceases and I can hear the signal I have tuned into
> perfectly. If I go back to Graph or Wfall, it becomes “choppy” again.
>
> I notice that, on the Config->Status display, the fields in the Device
> area have some numbers that I believe to be related. There are two lines in
> particular: "Play radio sound” and “Play microphone sound”. Both are

> showing a “Latency” figure that bounces back and forth between 4600 and
> 5000. The other column that catches my attention is the “Errors” column for
> those two devices. With the display of the Status tab on the Config area,
> they do not change. But, when I change Quisk to either Graph or Wfall, and
> then come back to the Config display, those two fields have increased
> significantly.
>
> Another thing I see, maybe or maybe not related is at the top of the
> Config->Status display. There is a line that says: Cannot open capture
> device hw:0 (No such file or directory)
>
> At this point I have not yet tried to do the “Adjust receive amplitude and
> phase” procedure. Would this have anything to do with the choppy audio?
>
> What I find interesting is that the audio is only choppy when Quisk is
> trying to do two things at once: display the Graph and play the received
> audio.
>
> Suggestions?
>
>

1807. Re: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 05:35:48 UTC
From: James Bennett
Topic: 1805 Message: 1807

Hi Eric,

Yes, I am using ALSA, only because it appears to be the default and the only thing I know about Pulseaudio is how to spell it. Anyway, I experimented with a couple of those changes you suggested and if anything, things were worse.

I can tell you that in the little box in the bottom right corner of the RPi 2 there is a CPU % field. This never goes above about 35 or 40 percent. I brought up a terminal session and ran "top". It showed PYTHON as the top user, at around 112%. I'm guessing the processor in this Pi is a multi-core device and that would explain why the number is higher than 100 but not in step with the CPU % box.

At any rate, the percentage of use doesn't change much if I'm displaying the graph, waterfall, or if it is only showing the Config data. So, I'm guessing something else is happening. Note that I used the "G" word there... :-)

Any other ideas what can be done to resolve this?

Jim Bennett / W6JHB
Folsom, CA

> On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hello James,
>
> Perhaps you posted your config file in the other thread, but I didn't see it. It sounds like you are using alsa and not pulseaudio? I suspect you are getting latency from cpu maxing out when drawing the waterfall. I have not used a pi2, but I know the pi v. 1B was not up to the task! I'm guessing others have gotten it to work.
>
> At the command propt, type "top" and a screen will come up showing which processes are taking up cpu time. If you see quisk or python taking up 100%, then that is most likely what is happening.
>
> Take a look at the two options below. You can try modifying these values to see if they help. Try increasing the data_poll_usec to something like 20000. That will take some load off alsa. You can also try increasing the latency_millisecs to something like 500 which will buffer more audio on the output and prevent dropouts. I'm using 300/5000 on my setup, but I'm using pulseaudio over a network and the raspberry pi is just acting as a sound server. When I tried to run quisk on my pi (v1B), it took several minutes to open, and then I got bursts of sound about every 10 seconds.
>
> latency_millisecs = 300 #was 150
> data_poll_usec = 5000 #was 5000
>

> Good luck and let us know if this helps.
>
> Eric
> KM4DSJ
>
>
>
>> On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>>
>> After several days of trial and error trying to get Quisk operational on my Raspberry Pi 2, this morning I finally had success. Now, I have a question on how to resolve a performance issue on receive.
>>
>> With the radio sitting on 20 meter CW (for example), I'm hearing and seeing a ton of stations with Quisk in the Graph or Wfall mode. However, the audio seems to be cutting in and out. If I click on the Config button, the audio problem ceases and I can hear the signal I have tuned into perfectly. If I go back to Graph or Wfall, it becomes "choppy" again.
>>
>> I notice that, on the Config->Status display, the fields in the Device area have some numbers that I believe to be related. There are two lines in particular: "Play radio sound" and "Play microphone sound". Both are showing a "Latency" figure that bounces back and forth between 4600 and 5000. The other column that catches my attention is the "Errors" column for those two devices. With the display of the Status tab on the Config area, they do not change. But, when I change Quisk to either Graph or Wfall, and then come back to the Config display, those two fields have increased significantly.
>>
>> Another thing I see, maybe or maybe not related is at the top of the Config->Status display. There is a line that says: Cannot open capture device hw:0 (No such file or directory)
>>
>> At this point I have not yet tried to do the "Adjust receive amplitude and phase" procedure. Would this have anything to do with the choppy audio?
>>
>> What I find interesting is that the audio is only choppy when Quisk is trying to do two things at once: display the Graph and play the received audio.
>>
>> Suggestions?
>>
>
>

1808. RE: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 06:54:44 UTC
From: MIKE DURKIN
Topic: 1805 Message: 1808

could try to reduce the sample rate to see if it clears the chop ....

I use s16be @ 48Khz .... i have a 1.8ghz quad arm7 and i can't seem to take a bigger chunk yet ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sat, 31 Oct 2015 22:35:48 -0700
Subject: Re: [n2adr-sdr] Quisk Audio Question / Problem

Hi Eric,
Yes, I am using ALSA, only because it appears to be the default and the only thing I know about Pulseaudio is how to spell it. Anyway, I experimented with a couple of those changes you suggested and if anything, things were worse.
I can tell you that in the little box in the bottom right corner of the RPi 2 there is a CPU % field. This never goes above about 35 or 40 percent. I brought up a terminal session and ran "top". It showed PYTHON as the top user, at around 112%. I'm guessing the processor in this Pi is a multi-core device and that would explain why the number is higher than 100 but not in step with the CPU % box.
At any rate, the percentage of use doesn't change much if I'm displaying the graph, waterfall, or if it is only showing the Config data. So, I'm guessing something else is happening. Note that I used the "G" word there... :-)

Any other ideas what can be done to resolve this?
Jim Bennett / W6JHBFolsom, CA
On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hello James,
Perhaps you posted your config file in the other thread, but I didn't see it. It sounds like you are using alsa and not pulseaudio? I suspect you are getting latency from cpu maxing out when drawing the waterfall. I have not used a pi2, but I know the pi v. 1B was not up to the task! I'm guessing others have gotten it to work.
At the command propt, type "top" and a screen will come up showing which processes are taking up cpu time. If you see quisk or python taking up 100%, then that is most likely what is happening.
Take a look at the two options below. You can try modifying these values to see if they help. Try increasing the data_poll_usec to something like 20000. That will take some load off alsa. You can also try increasing the latency_millisecs to something like 500 which will buffer more audio on the output and prevent dropouts. I'm using 300/5000 on my setup, but I'm using pulseaudio over a network and the raspberry pi is just acting as a sound server. When I tried to run quisk on my pi (v1B), it took several minutes to open, and then I got bursts of sound about every 10 seconds.
latency_millisecs = 300 #was 150data_poll_usec = 5000 #was 5000
Good luck and let us know if this helps.
EricKM4DSJ

On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

After several days of trial and error trying to get Quisk operational on my Raspberry Pi 2, this morning I finally had success. Now, I have a question on how to resolve a performance issue on receive.

With the radio sitting on 20 meter CW (for example), I'm hearing and seeing a ton of stations with Quisk in the Graph or Wfall mode. However, the audio seems to be cutting in and out. If I click on the Config button, the audio problem ceases and I can hear the signal I have tuned into perfectly. If I go back to Graph or Wfall, it becomes "choppy" again.

I notice that, on the Config->Status display, the fields in the Device area have some numbers that I believe to be related. There are two lines in particular: "Play radio sound" and "Play microphone sound". Both are showing a "Latency" figure that bounces back and forth between 4600 and 5000. The other column that catches my attention is the "Errors" column for those two devices. With the display of the Status tab on the Config area, they do not change. But, when I change Quisk to either Graph or Wfall, and then come back to the Config display, those two fields have increased significantly.

Another thing I see, maybe or maybe not related is at the top of the Config->Status display. There is a line that says: Cannot open capture device hw:0 (No such file or directory)

At this point I have not yet tried to do the "Adjust receive amplitude and phase" procedure. Would this have anything to do with the choppy audio?

What I find interesting is that the audio is only choppy when Quisk is trying to do two things at once: display the Graph and play the received audio.

Suggestions?

1809. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-11-01 12:05:52 UTC
From: jahlstr@...
Topic: 1757 Message: 1809

Run quisk from a terminal window:

c:\python27\python.exe quisk.py

Jim

1810. Re: Re[2]: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-01 13:43:39 UTC
From: dh5ym@...
Topic: 1681 Message: 1810

Hi,

question to N2ADR: is there any easy way to use the RIT offset always for the Split RX and the Main RX ? I wonder were to code that into Quisk. I assume in quisk.py somewhere around line 3984 could be the place but i did not yet completely understand the meaning of all the different variables and parameters to the functions. Maybe you have some hint. Otherwise i can also live without the 2nd RX next weekend ;)

regards
Mario

1811. Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-01 16:24:37 UTC
From: michael.hartje@...
Topic: 1730 Message: 1811

Thanks for instruction help how to use it to Sid.

When I recorded a "samples File" with the "File record" button, everythings seems to be fine; a wav-file is recorded and written to disk. The filename is known in the config dialog for "record file". I can add samples with more recording.

(BTW I use a softrock derivate (LimaSDR) with pulse audio and 96 kHz radio sample rate.)

I can load this recorded file into audacity. It shows 2 channels and 96 kHz

But, there is a "File Button for play" which is grey all the time -- so I never can replay this recorded samples to my quisk and demonstrate, how to use it.

Any further recommendations are very welcome, how to replay a samples file into quisk.

Thanks in advance

Michael
DK5HH

1812. Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-11-01 16:44:23 UTC
From: artus1947@...
Topic: 1757 Message: 1812

Jim,

I tried your recommendation but get same message-- "No permission to access the Softrock USB interface."; I used an elevated Command Window. Then I tried reinstalling all the Widget drivers by the following:
Unplugged the Widget
From Elevated Command Prompt: "set devmgr_show_nonpresent_devices=1"
From Elevated Command Prompt: devmgmt.msc
Showed hidden devices
Removed all traces of anything related to the Widget control or sound
From Elevated Command Prompt: installed "SDRWDGT-USB-Driver-1.2.2.0"
From Elevated Command Prompt: installed "AUDWDGT-USB-Driver-1.2.2.0"
I had previously installed the Amateur Radio Certificate as describe by Fred Kron.

At this point, device enumerates with chime and shows up as soundcard and USB control. I can run PowerSDR 2.4.4 and USB controls work as well as the IQ and audio sound channels. I have tried both Quisk versions 2.7.6 and 2.7.7 with same results. I am running UAC1 mode on the soundcard. Quisk does recognize the sound device. It is apparently not happy with the USB control. This is a Windows 10-64 bit installation.

I can run Quisk on my linux installation without any problems. At this point, I am ready to write off this issue as a "Windows 10" driver glitch and move on to other projects. In particular, I hope to get a viable Linux install working on the new STM32F746g discovery board, then see if I can make Quisk work there. But, thats a piece down the road. I am also gathering parts for a Hermes Lite and anticipate using Quisk then.

I appreciate the great program you have contributed to the community.

Thanks and 73
Jack (W0FNQ)

1813. RE: [n2adr-sdr] Re: Quisk WIN10 installation

Yahoo group: n2adr-sdr
Date: 2015-11-01 16:50:09 UTC
From: MIKE DURKIN
Topic: 1757 Message: 1813

probably not it ..
but check to see if cfgsr is not running in the background .... im wondering if windows is locking the USB device to a specific program ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 1 Nov 2015 08:44:23 -0800
Subject: [n2adr-sdr] Re: Quisk WIN10 installation

Jim,
I tried your recommendation but get same message-- "No permission to access the Softrock USB interface."; I used an elevated Command Window. Then I tried reinstalling all the Widget drivers by the following: Unplugged the Widget From Elevated Command Prompt: "set devmgr_show_nonpresent_devices=1" From Elevated Command Prompt: devmgmt.msc Showed hidden devices Removed all traces of anything related to the Widget control or sound From Elevated Command Prompt: installed "SDRWDGT-USB-Driver-1.2.2.0" From Elevated Command Prompt: installed "AUDWDGT-USB-Driver-1.2.2.0" I had previously installed the Amateur Radio Certificate as describe by Fred Kron.
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I can run Quisk on my linux installation without any problems. At this point, I am ready to write off this issue as a "Windows 10" driver glitch and move on to other projects. In particular, I hope to get a viable Linux install working on the new STM32F746g discovery board, then see if I can make Quisk work there. But, thats a piece down the road. I am also gathering parts for a Hermes Lite and anticipate using Quisk then.
I appreciate the great program you have contributed to the community.
Thanks and 73Jack (W0FNQ)

1814. Re: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 17:15:32 UTC
From: James Bennett
Topic: 1805 Message: 1814

Tried reducing the sample rate to 24 KHz and Quisk wouldn't do anything. Seems like I'm locked into using 48.

So I guess my big question for the group is: has ANYONE been successful running Quisk on a Raspberry Pi???? I can load a copy of Ubuntu Linux on my iMac and run it there, but I sure was hoping I could press this nice little RPi 2 into service.

Jim Bennett / W6JHB
Folsom, CA

> On Oct 31, 2015, at 11:54 PM, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> could try to reduce the sample rate to see if it clears the chop ....
>
> I use s16be @ 48Khz .... i have a 1.8ghz quad arm7 and i can't seem to take a bigger chunk yet ...
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Sat, 31 Oct 2015 22:35:48 -0700
> Subject: Re: [n2adr-sdr] Quisk Audio Question / Problem
>
>
>
> Hi Eric,
>
> Yes, I am using ALSA, only because it appears to be the default and the only thing I know about Pulseaudio is how to spell it. Anyway, I experimented with a couple of those changes you suggested and if anything, things were worse.
>
> I can tell you that in the little box in the bottom right corner of the RPi 2 there is a CPU % field. This never goes above about 35 or 40 percent. I brought up a terminal session and ran "top". It showed PYTHON as the top user, at around 112%. I'm guessing the processor in this Pi is a multi-core device and that would explain why the number is higher than 100 but not in step with the CPU % box.
>
> At any rate, the percentage of use doesn't change much if I'm displaying the graph, waterfall, or if it is only showing the Config data. So, I'm guessing something else is happening. Note that I used the "G" word there... :-)
>
> Any other ideas what can be done to resolve this?
>
> Jim Bennett / W6JHB
> Folsom, CA
>

> On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
>
> Hello James,
>
> Perhaps you posted your config file in the other thread, but I didn't see it. It sounds like you are using alsa and not pulseaudio? I suspect you are getting latency from cpu maxing out when drawing the waterfall. I have not used a pi2, but I know the pi v. 1B was not up to the task! I'm guessing others have gotten it to work.
>
> At the command propt, type "top" and a screen will come up showing which processes are taking up cpu time. If you see quisk or python taking up 100%, then that is most likely what is happening.
>
> Take a look at the two options below. You can try modifying these values to see if they help. Try increasing the data_poll_usec to something like 20000. That will take some load off alsa. You can also try increasing the latency_millisecs to something like 500 which will buffer more audio on the output and prevent dropouts. I'm using 300/5000 on my setup, but I'm using pulseaudio over a network and the raspberry pi is just acting as a sound server. When I tried to run quisk on my pi (v1B), it took several minutes to open, and then I got bursts of sound about every 10 seconds.
>
> latency_millisecs = 300 #was 150
> data_poll_usec = 5000 #was 5000
>
> Good luck and let us know if this helps.
>
> Eric
> KM4DSJ
>
>
>
> On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> After several days of trial and error trying to get Quisk operational on my Raspberry Pi 2, this morning I finally had success. Now, I have a question on how to resolve a performance issue on receive.
>
> With the radio sitting on 20 meter CW (for example), I’m hearing and seeing a ton of stations with Quisk in the Graph or Wfall mode. However, the audio seems to be cutting in and out. If I click on the Config button, the audio problem ceases and I can hear the signal I have tuned into perfectly. If I go back to Graph or Wfall, it becomes “choppy” again.
>
> I notice that, on the Config->Status display, the fields in the Device area have some numbers that I believe to be related. There are two lines in particular: "Play radio sound” and “Play microphone sound”. Both are showing a “Latency” figure that bounces back and

forth between 4600 and 5000. The other column that catches my attention is the “Errors” column for those two devices. With the display of the Status tab on the Config area, they do not change. But, when I change Quisk to either Graph or Wfall, and then come back to the Config display, those two fields have increased significantly.
>
> Another thing I see, maybe or maybe not related is at the top of the Config->Status display. There is a line that says: Cannot open capture device hw:0 (No such file or directory)
>
> At this point I have not yet tried to do the “Adjust receive amplitude and phase” procedure. Would this have anything to do with the choppy audio?
>
> What I find interesting is that the audio is only choppy when Quisk is trying to do two things at once: display the Graph and play the received audio.
>
> Suggestions?
>
>
>
>

1815. Re: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 18:43:52 UTC
From: Sid Boyce
Topic: 1805 Message: 1815

Using HiQSDR with Pi model B and Pi 2, i.e just one USB sound dongle for Mic/Speakers and I-Q via Ethernet I have had no sound dropout problems.

I don't know if sound card I-Q would likely be the cause of dropouts.

This evening I'll try 384K/960K samplerate on the Pi2, think I am using 192K on the Pi 2.

The previous setup with HiQSDR and ODROID-X dropouts occurred and Jim suggested the problem was the CPU also having the additional task of processing video.
Installing the Mali-400 driver to replace the standard GL libraries cured the dropouts.
73 ... Sid.

On 01/11/15 05:35, James Bennett w6jhb@... [n2adr-sdr] wrote:
> Hi Eric,
>
> Yes, I am using ALSA, only because it appears to be the default and
> the only thing I know about Pulseaudio is how to spell it. Anyway, I
> experimented with a couple of those changes you suggested and if
> anything, things were worse.
>
> I can tell you that in the little box in the bottom right corner of
> the RPi 2 there is a CPU % field. This never goes above about 35 or 40
> percent. I brought up a terminal session and ran "top". It showed
> PYTHON as the top user, at around 112%. I'm guessing the processor in
> this Pi is a multi-core device and that would explain why the number
> is higher than 100 but not in step with the CPU % box.
>
> At any rate, the percentage of use doesn't change much if I'm
> displaying the graph, waterfall, or if it is only showing the Config
> data. So, I'm guessing something else is happening. Note that I used
> the "G" word there... :-)
>
> Any other ideas what can be done to resolve this?
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@...
> <mailto:ewthornton@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>> Hello James,
>>

>> Perhaps you posted your config file in the other thread, but I didn't
>> see it. It sounds like you are using alsa and not pulseaudio? I
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>> waterfall. I have not used a pi2, but I know the pi v. 1B was not up
>> to the task! I'm guessing others have gotten it to work.
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>> At the command propt, type "top" and a screen will come up showing
>> which processes are taking up cpu time. If you see quisk or python
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>> will buffer more audio on the output and prevent dropouts. I'm using
>> 300/5000 on my setup, but I'm using pulseaudio over a network and the
>> raspberry pi is just acting as a sound server. When I tried to run
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>> bursts of sound about every 10 seconds.
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>> latency_millisecs = 300 #was 150
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>> Good luck and let us know if this helps.
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>> Eric
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>>
>>
>>
>> On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@...
>> <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>> After several days of trial and error trying to get Quisk
>> operational on my Raspberry Pi 2, this morning I finally had
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>> issue on receive.
>>
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>> hearing and seeing a ton of stations with Quisk in the Graph or
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>> open capture device hw:0 (No such file or directory)
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>> At this point I have not yet tried to do the “Adjust receive
>> amplitude and phase” procedure. Would this have anything to do
>> with the choppy audio?
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>> What I find interesting is that the audio is only choppy when
>> Quisk is trying to do two things at once: display the Graph and
>> play the received audio.
>>
>> Suggestions?
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1816. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-01 19:03:01 UTC
From: Sid Boyce
Topic: 1730 Message: 1816

Audacity is supposed to play up to 192K sample rate - never tried it.

One alternative suggestion, use gtk-recordmydesktop to produce a video
which can be played locally or uploaded to Youtube.
73 ... Sid.

On 01/11/15 16:24, michael.hartje@... [n2adr-sdr] wrote:
>
> Thanks for instruction help how to use it to Sid.
>
> When I recorded a "samples File" with the "File record" button,
> everythings seems to be fine; a wav-file is recorded and written to
> disk. The filename is known in the config dialog for "record file". I
> can add samples with more recording.
>
> (BTW I use a softrock derivate (LimaSDR) with pulse audio and 96 kHz
> radio sample rate.)
>
> I can load this recorded file into audacity. It shows 2 channels and
> 96 kHz
>
> But, there is a "File Button for play" which is grey all the time --
> so I never can replay this recorded samples to my quisk and
> demonstrate, how to use it.
>
> Any further recommendations are very welcome, how to replay a samples
> file into quisk.
>
> Thanks in advance
>
> Michael
> DK5HH
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1817. Re: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 20:29:20 UTC
From: James Bennett
Topic: 1805 Message: 1817

Sid,

Not sure either, but this Tascam unit had been in use for months on my Elecraft K3 doing JT modes and PSK31, so I know it works. Just seems strange that this multi-processor RPi can't handle one application, albeit a heavy one.

Jim Bennett / W6JHB
Folsom, CA

> On Nov 1, 2015, at 10:43 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Using HiQSDR with Pi model B and Pi 2, i.e just one USB sound dongle for
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> 73 ... Sid.
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>> On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@...
>> <mailto:ewthornton@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
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>>> Hello James,
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>>>
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>>> On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@...
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>>> Quisk is trying to do two things at once: display the Graph and
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> Yahoo Groups Links

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1818. RE: [n2adr-sdr] Quisk Audio Question / Problem

Yahoo group: n2adr-sdr
Date: 2015-11-01 21:16:02 UTC
From: MIKE DURKIN
Topic: 1805 Message: 1818

how about his ... and i dont know if it is possible yet ....

i think you can send I/Q processed data to another computer with quisk running as well ....

im thinking ..
try taking the video load off of the Pi as a test ... via the network .... and if you can do that,,, then change the bandwidth and bit depth .... if the card works taht way .. then its not a USB bandwidth issue but a processor (or GPU driver) issue ...

Im thinking that if Quisk can do remote like that for Rx/Tx .... ill be able to put My UHFSDR up on my tower (like i wanted to do -- many days ago with ghhpsdr3-alex)

Im close to having my SDR on all bands below 33cm ...and one think i will need is the SDR at the antennas for Microwave bands ... 150' is just to far to send 10W of 900Mhz or even 10Ghz down through ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 1 Nov 2015 12:29:20 -0800
Subject: Re: [n2adr-sdr] Quisk Audio Question / Problem

Sid,

Not sure either, but this Tascam unit had been in use for months on my Elecraft K3 doing JT modes and PSK31, so I know it works. Just seems strange that this multi-processor RPi can't handle one application, albeit a heavy one.

Jim Bennett / W6JHB

Folsom, CA

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>

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>

> I don't know if sound card I-Q would likely be the cause of dropouts.

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> This evening I'll try 384K/960K samplerate on the Pi2, think I am using

> 192K on the Pi 2.

>

> The previous setup with HiQSDR and ODROID-X dropouts occurred and Jim

> suggested the problem was the CPU also having the additional task of

> processing video.

> Installing the Mali-400 driver to replace the standard GL libraries

> cured the dropouts.

> 73 ... Sid.

>

>> On 01/11/15 05:35, James Bennett w6jhb@... [n2adr-sdr] wrote:

>> Hi Eric,

>>

>> Yes, I am using ALSA, only because it appears to be the default and

>> the only thing I know about Pulseaudio is how to spell it. Anyway, I

>> experimented with a couple of those changes you suggested and if

>> anything, things were worse.

>>

>> I can tell you that in the little box in the bottom right corner of

>> the RPi 2 there is a CPU % field. This never goes above about 35 or 40

>> percent. I brought up a terminal session and ran "top". It showed

>> PYTHON as the top user, at around 112%. I'm guessing the processor in

>> this Pi is a multi-core device and that would explain why the number

>> is higher than 100 but not in step with the CPU % box.

>>

>> At any rate, the percentage of use doesn't change much if I'm

>> displaying the graph, waterfall, or if it is only showing the Config

>> data. So, I'm guessing something else is happening. Note that I used

>> the "G" word there... :-)

>>

>> Any other ideas what can be done to resolve this?

>>

>> Jim Bennett / W6JHB

>> Folsom, CA

>>

>> On Oct 31, 2015, at 5:55 PM, Eric Thornton ewthornton@...

>> <mailto:ewthornton@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com

>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:

>>

>>> Hello James,

>>>

>>> Perhaps you posted your config file in the other thread, but I didn't

>>> see it. It sounds like you are using alsa and not pulseaudio? I

>>> suspect you are getting latency from cpu maxing out when drawing the

>>> waterfall. I have not used a pi2, but I know the pi v. 1B was not up

>>> to the task! I'm guessing others have gotten it to work.

>>>

>>> At the command propt, type "top" and a screen will come up showing

>>> which processes are taking up cpu time. If you see quisk or python

>>> taking up 100%, then that is most likely what is happening.

>>>

>>> Take a look at the two options below. You can try modifying these

>>> values to see if they help. Try increasing the data_poll_usec to

>>> something like 20000. That will take some load off alsa. You can

>>> also try increasing the latency_millisecs to something like 500 which

>>> will buffer more audio on the output and prevent dropouts. I'm using

>>> 300/5000 on my setup, but I'm using pulseaudio over a network and the

>>> raspberry pi is just acting as a sound server. When I tried to run

>>> quisk on my pi (v1B), it took several minutes to open, and then I got

>>> bursts of sound about every 10 seconds.

>>>

>>> latency_millisecs = 300 #was 150

>>> data_poll_usec = 5000#was 5000

>>>

>>> Good luck and let us know if this helps.

>>>

>>> Eric

>>> KM4DSJ

>>>

>>>

>>>

>>> On Sat, Oct 31, 2015 at 3:03 PM, James Bennett w6jhb@...

>>> <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com

>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:

>>>

>>> After several days of trial and error trying to get Quisk

>>> operational on my Raspberry Pi 2, this morning I finally had

>>> success. Now, I have a question on how to resolve a performance

>>> issue on receive.

>>>

>>> With the radio sitting on 20 meter CW (for example), I’m

>>> hearing and seeing a ton of stations with Quisk in the Graph or

>>> Wfall mode. However, the audio seems to be cutting in and out. If

>>> I click on the Config button, the audio problem ceases and I can

>>> hear the signal I have tuned into perfectly. If I go back to

>>> Graph or Wfall, it becomes “choppy” again.

>>>

>>> I notice that, on the Config->Status display, the fields in the

>>> Device area have some numbers that I believe to be related. There

>>> are two lines in particular: "Play radio sound” and “Play

>>> microphone sound”. Both are showing a “Latency” figure that

>>> bounces back and forth between 4600 and 5000. The other column

>>> that catches my attention is the “Errors” column for those

>>> two devices. With the display of the Status tab on the Config

>>> area, they do not change. But, when I change Quisk to either

>>> Graph or Wfall, and then come back to the Config display, those

>>> two fields have increased significantly.

>>>

>>> Another thing I see, maybe or maybe not related is at the top of

>>> the Config->Status display. There is a line that says: Cannot

>>> open capture device hw:0 (No such file or directory)

>>>

>>> At this point I have not yet tried to do the “Adjust receive

>>> amplitude and phase” procedure. Would this have anything to do

>>> with the choppy audio?

>>>

>>> What I find interesting is that the audio is only choppy when

>>> Quisk is trying to do two things at once: display the Graph and

>>> play the received audio.

>>>

>>> Suggestions?

>

>

> --

> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

> Senior Staff Specialist, Cricket Coach

> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>

>

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> Yahoo Groups Links

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1819. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-01 22:19:11 UTC
From: michael.hartje@...
Topic: 1730 Message: 1819

Thanks, Sid, for the quick reply.

Ok, your proposal is a good idea and work around. But this is not what I want.

Did I understood you right: there is no internal way to replay the recorded IQ-Samples to quisk?

But: what is the "play File-(IQ)" for? When does it become active? can I configure it for that activation?

Any help is welcome - thanks

vy73
Michael
DK5HH

1820. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 00:40:36 UTC
From: Eric Thornton
Topic: 1730 Message: 1820

I think I ran into the same issue recently.

My workaround was to record the IQ file and playback using "pacat" to my speaker device. I then used pavucontrol to redirect quick input to the monitor stream of my output.

My play button is currently greyed out.

Eric
KM4DSJ

On Sun, Nov 1, 2015 at 5:19 PM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Thanks, Sid, for the quick reply.
>
> Ok, your proposal is a good idea and work around. But this is not what I
> want.
>
> Did I understood you right: there is no internal way to replay the
> recorded IQ-Samples to quisk?
>
> But: what is the "play File-(IQ)" for? When does it become active? can I
> configure it for that activation?
>
> Any help is welcome - thanks
>
> vy73
> Michael
> DK5HH
>
>

1821. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 01:08:49 UTC
From: Sid Boyce
Topic: 1730 Message: 1821

I copied the file quisk.wav from the ODROID-U3 to a x86_64 box, pacat
plays it a very fast speed irrespective of the --rate= 48K, 96K or 192K
"paplay quisk.wav" works fine as does alsa "aplay quisk.wav".

aplay quisk.wav
Playing WAVE 'quisk.wav' : Signed 16 bit Little Endian, Rate 48000 Hz, Mono
73 ... Sid.

On 02/11/15 00:40, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> I think I ran into the same issue recently.
>
> My workaround was to record the IQ file and playback using "pacat" to
> my speaker device. I then used pavucontrol to redirect quick input to
> the monitor stream of my output.
>
> My play button is currently greyed out.
>
> Eric
> KM4DSJ
>
> On Sun, Nov 1, 2015 at 5:19 PM, michael.hartje@...
> <mailto:michael.hartje@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Thanks, Sid, for the quick reply.
>
> Ok, your proposal is a good idea and work around. But this is not
> what I want.
>
> Did I understood you right: there is no internal way to replay the
> recorded IQ-Samples to quisk?
>
> But: what is the "play File-(IQ)" for? When does it become active?
> can I configure it for that activation?
>
> Any help is welcome - thanks
>
> vy73
> Michael
> DK5HH
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1822. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 01:23:51 UTC
From: Sid Boyce
Topic: 1730 Message: 1822

The file also plays OK on the ODROID-U3 using the same commands.
73 ... Sid.

On 02/11/15 01:08, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> I copied the file quisk.wav from the ODROID-U3 to a x86_64 box, pacat
> plays it a very fast speed irrespective of the --rate= 48K, 96K or 192K
> "paplay quisk.wav" works fine as does alsa "aplay quisk.wav".
>
> # aplay quisk.wav
> Playing WAVE 'quisk.wav' : Signed 16 bit Little Endian, Rate 48000 Hz, Mono
> 73 ... Sid.
>
> On 02/11/15 00:40, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
>> I think I ran into the same issue recently.
>>
>> My workaround was to record the IQ file and playback using "pacat" to
>> my speaker device. I then used pavucontrol to redirect quick input to
>> the monitor stream of my output.
>>
>> My play button is currently greyed out.
>>
>> Eric
>> KM4DSJ
>>
>> On Sun, Nov 1, 2015 at 5:19 PM, michael.hartje@...
>> <mailto:michael.hartje@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> ?
>>
>> Thanks, Sid, for the quick reply.
>>
>> Ok, your proposal is a good idea and work around. But this is not
>> what I want.
>>
>> Did I understood you right: there is no internal way to replay the
>> recorded IQ-Samples to quisk?
>>
>> But: what is the "play File-(IQ)" for? When does it become active?
>> can I configure it for that activation?
>>
>> Any help is welcome - thanks
>>
>> vy73
>> Michael

>> DK5HH
>>
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1823. audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-02 08:10:37 UTC
From: michael.hartje@...
Topic: 1823 Message: 1823
Attachments: 2 described; binary payloads are missing from this source WARC

hello list,

quisk is used for 96 kS/s IQ-audio device (softrock derivate LimaSDR). I use V3.7.7 and pulseaudio. I checked ALSA only for the IQ-Sound card with similar results.
for the digital modes I tried pulseaudio-devices and aloop. The figure below are with pulseaudio devices for the coupling of fldigi (or wsjtx) with quisk.

In mode SSB (USB/LSB) the latency is normal and no stuttering audio. (see screen: mode-usb)

In modes DGT-U (and others) the latency jumps dramatically up and increases still further. By this, the audio is stuttering and Errors are increasing every few 100 ms.

The parameters
latency_millisecs = 150 # was 150
data_poll_usec = 5000 # was 5000
were chanced in a wide range from a few milisecs to 500 ms -- but no general change with stuttering audio (faster and with 2 ms AM modulated with rectangular audio switch on and off)

Questions:
does anybody have the same problems in combination with external digital mode programs?
What should I look for?
What are the rules for the "latency_millisecs and data_poll_usec?
Why is the stuttering only combined with DIGT-modes in quisk? -- how can I avoid that?
What parameters should I respect in fldigi (pulseaudio is used, I checked portaudio)

Any help is very welcome.

Thanks
vy73
MIchael
DK5HH

1824. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 08:16:41 UTC
From: michael.hartje@...
Topic: 1730 Message: 1824

Thanks for these helpful information -- ok; so there seems to be only an external solution with paplay and redirect it into quisk IQ-Input instead of the "normal IQ-source".

The unanswered question is: what is the button "File play" for and when is it becoming active?
May be, that those guys, who have looked a little deeper into the code can add an answer on this...

Thanks for now
vy73
Michael
DK5HH

1825. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 08:52:08 UTC
From: dh5ym@...
Topic: 1730 Message: 1825

Hi Michael,

This option is for playing back the IQ recording over air i think.
I never really tried it but i can probably do this evening if its helpful.

regards
Mario

1826. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 14:12:20 UTC
From: Eric Thornton
Topic: 1823 Message: 1826

Michael,

I'm doing nearly the same thing and not having issues, and since I'm probably most familiar with the pulse audio code, I'll be glad to help.

Have you built quisk from source? If so, edit the sound_pulseaudio.c file so that line 43 reads "int verbose = 1" and then recompile. Then run quisk. If a device is misbehaving this will help run it down.

What computer is quisk running on? Can you post your config for completeness? Can you post your pulseaudio daemon.conf also.

Eric
On Nov 2, 2015 3:10 AM, "michael.hartje@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> hello list,
>
> quisk is used for 96 kS/s IQ-audio device (softrock derivate LimaSDR). I
> use V3.7.7 and pulseaudio. I checked ALSA only for the IQ-Sound card with
> similar results.
> for the digital modes I tried pulseaudio-devices and aloop. The figure
> below are with pulseaudio devices for the coupling of fldigi (or wsjtx)
> with quisk.
>
> In mode SSB (USB/LSB) the latency is normal and no stuttering audio. (see
> screen: mode-usb)
>
> In modes DGT-U (and others) the latency jumps dramatically up and
> increases still further. By this, the audio is stuttering and Errors are
> increasing every few 100 ms.
>
> The parameters
> latency_millisecs = 150 # was 150
> data_poll_usec = 5000 # was 5000
> were chanced in a wide range from a few milisecs to 500 ms -- but no
> general change with stuttering audio (faster and with 2 ms AM modulated
> with rectangular audio switch on and off)
>
> Questions:
> does anybody have the same problems in combination with external digital
> mode programs?
> What should I look for?

> What are the rules for the "latency_millisecs and data_poll_usec?
> Why is the stuttering only combined with DIGT-modes in quisk? -- how can I
> avoid that?
> What parameters should I respect in fldigi (pulseaudio is used, I checked
> portaudio)
>
> Any help is very welcome.
>
> Thanks
>
> vy73
>
> MIchael
>
> DK5HH
>
>
>
>

1827. Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 15:46:25 UTC
From: jahlstr@...
Topic: 1730 Message: 1827

There is no one-button feature to play a samples file and have Quisk treat it as radio samples. I guess I will have to add the feature.

Meanwhile you can try playing the file to a sound device and use Quisk digital input to read the same sound device.

Jim
N2ADR

1828. Re: Re[2]: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 15:47:47 UTC
From: jahlstr@...
Topic: 1681 Message: 1828

Hello Mario,

To fix the RIT so it works on both channels you need to change quisk.c at line 2014:

```
else if (split_rxtx) { // Demodulate a second channel
phase = cexp((I * -2.0 * M_PI * (quisk_tx_tune_freq + rit_freq)) /
quisk_sound_state.sample_rate);
// Tune the second channel to frequency
```

The " + rit_freq" is the change. Then you need to run "make" to recompile.

Jim
N2ADR

1829. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 15:57:00 UTC
From: James Bennett
Topic: 1823 Message: 1829

Michael,

I have the same problem with latency, but I have it in CW and SSB with a SoftRock Ensemble RXTX. I'm only running at 48KHz with a Tascam US-125M external sound card. Have tried all sorts of combinations of parameter changes, ALSA, Pulseaudio, etc. but no change. I run Quisk 3.7.7 on a Raspberry Pi v2 and is is possible the little computer simply does not have enough power to run Quisk. I plan on trying to install Ubuntu Linux and a day or so on a bigger computer with a lot more power to see if that fixes it. If not, I'll probably sell the Softrock and give up on this project, as the Softrock is completely unusable with this latency.

Jim Bennett / W6JHB
Folsom, CA

> On Nov 2, 2015, at 12:10 AM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> hello list,
>
> quisk is used for 96 kS/s IQ-audio device (softrock derivate LimaSDR). I use V3.7.7 and pulseaudio. I checked ALSA only for the IQ-Sound card with similar results.
> for the digital modes I tried pulseaudio-devices and aloop. The figure below are with pulseaudio devices for the coupling of fldigi (or wsjtx) with quisk.
>
> In mode SSB (USB/LSB) the latency is normal and no stuttering audio. (see screen: mode-usb)
>
> In modes DGT-U (and others) the latency jumps dramatically up and increases still further. By this, the audio is stuttering and Errors are increasing every few 100 ms.
>
> The parameters
> latency_millisecs = 150 # was 150
> data_poll_usec = 5000 # was 5000
> were chanced in a wide range from a few milisecs to 500 ms -- but no general change with stuttering audio (faster and with 2 ms AM modulated with rectangular audio switch on and off)
>
> Questions:
> does anybody have the same problems in combination with external digital mode programs?
> What should I look for?
> What are the rules for the "latency_millisecs and data_poll_usec?
> Why is the stuttering only combined with DIGT-modes in quisk? -- how can I avoid that?
> What parameters should I respect in fldigi (pulseaudio is used, I checked portaudio)
>

> Any help is very welcome.
>
> Thanks
>
> vy73
>
> MIchael
>
> DK5HH
>
>
>
>
> <mode-digital.png>
> <mode-usb.png>

1830. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 16:40:04 UTC
From: michael.hartje@...
Topic: 1823 Message: 1830
Attachments: 3 described; binary payloads are missing from this source WARC

hello Eric and others,

thanks for reply.

According to your questions, I can add the following information:

top shows the following after some hours running quisk

19228 hartje 20 0 944m 392m 17m R 33.6 35.1 405:07.30 python
18837 hartje 9 -11 221m 15m 13m S 22.4 1.4 259:59.05 pulseaudio
5162 hartje 20 0 354m 26m 6200 R 18.8 2.3 228:04.79 pavucontrol
1389 root 20 0 66992 10m 5320 S 11.9 1.0 132:01.18 Xorg
25156 hartje 20 0 329m 28m 7616 R 9.6 2.6 45:27.78 fldigi

uname -a
Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35 UTC 2015 i686 i686 i386 GNU/Linux
it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)

RELEASE=13
CODENAME=maya
EDITION="MATE 32-bit"
DESCRIPTION="Linux Mint 13 Maya"
DESKTOP=MATE
TOOLKIT=GTK

pulseaudio --version
1.1

I built quisk "from source" with "make" (no parameters)
Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43: int verbose = 2 ---> see results in the debuglog
Rebuild was done: make (in the quisk-3.7.7-directory)

The following was done with the debug log running qusik one time:
1. Start quisk (usbmode)
2. switch to DGT-U with running fldigi
3. switch to USB
4. close quisk

find included the default.pa and daemon.conf

hopefully that will bring us forward....

Thanks to all for reading and thinking about this problem

vy 73
Michael
DK5HH

1831. Re: audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-02 16:57:00 UTC
From: michael.hartje@...
Topic: 1823 Message: 1831
Attachments: 2 described; binary payloads are missing from this source WARC

@Eric,

sorry for the last mail -- when I read your mail again, I found the mistakes: verbose=2 not 1
Now you will find the correct version enclosed debug-1-log-pulse.log and the full configuration of quisk conf_lima_pulse.py

hope this helps

Thanks
Michael
DK5HH

1832. Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 17:08:33 UTC
From: michael.hartje@...
Topic: 1730 Message: 1832

@Jim
Thanks for information -- so all this will help now

And: I would not stop you, if you set this feature (replay of recorded samples) on the list to do with a low priority and of course when you give some more information, what is the "File >" (play) button planned for and when it will be activated and deactivated...

Thanks for your time spending on this problem

vy73
Michael
DK5HH

1833. Re: [n2adr-sdr] Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 17:13:15 UTC
From: michael.hartje@...
Topic: 1730 Message: 1833

@ James and Mario,

thanks for assisting my observations -- I feel that Eric will be a very competent player to find out, what could be improved in this field of stuttering audio even with pulseaudio.

So we can expect a better quisk in the near future :-)

vy73
Michael
DK5HH

1834. Re: [n2adr-sdr] Re: audio latency with digital modes - stuttering audio [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 18:58:53 UTC
From: Eric Thornton
Topic: 1823 Message: 1834

Wow. Yes, something looks to be wrong here. The output device buffer size looks way too small. There also may be some configuration issues on both pulse and quisk.

If your can do me one more favor, and set data_poll_usec = 5000 and latency_millisecs= 300. Make sure that you only have those parameters once (comment out the others). Run quisk again and send me the log file. Also, while quisk is running, please run the command "pactl list" and send the output. When I get home from work I will dive into it more.

Your version of pulseaudio is very old, and that may be part of the issue also. I'm not familiar with mint, but ubuntu is up to v3 with v4 as "devel". If there is a newer version available, it would be good to upgrade. I tested down to version 3.

Eric
On Nov 2, 2015 11:57 AM, "michael.hartje@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> @Eric,
>
> sorry for the last mail -- when I read your mail again, I found the
> mistakes: verbose=2 not 1
> Now you will find the correct version enclosed debug-1-log-pulse.log and
> the full configuration of quisk conf_lima_pulse.py
>
> hope this helps
>
> Thanks
> Michael
> DK5HH
>
>

1835. Re: Re[2]: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 19:22:13 UTC
From: dh5ym@...
Topic: 1681 Message: 1835

Hi Jim,

cool, that works very nice. Many thanks !

73
Mario

1836. Quisk-3.7.8

Yahoo group: n2adr-sdr
Date: 2015-11-02 19:58:10 UTC
From: jahlstr@...
Topic: 1836 Message: 1836

Foreign users can have trouble with their config directory on Windows because the "Documents" directory is in a foreign language; for example, "Mine Dokumenter". I changed Quisk to use the registry to find the name of the "Documents" directory so Quisk should find it in any language.

When playing a CQ loop using the "Transmit sound from WAV file" feature, pressing hardware PTT will cancel the play loop.

I added the hardware information to the top of the screen. This is convenient when running multiple instances of Quisk with multiple hardwares. I removed the SoftRock status line at the bottom of the screen. The same information is in the Config/Config screen and in the title line at the top.

When operating in Split mode, the RIT control used to only change the Rx channel. But that meant that the other Tx channel did not have RIT. So in CW mode, a station exactly on the Tx frequency would not be heard. RIT now works on both channels in Split mode.

The "Record Rx audio" feature now records Tx audio too. This is useful to record and review a QSO.

Jim
N2ADR

1837. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [3 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 20:00:21 UTC
From: Graeme Jury
Topic: 1823 Message: 1837

Hello Michael and list,

Looking at your pulse daemon.conf i see the lines

```
; default-sample-rate = 44100
default-sample-rate = 96000
default-sample-rate = 48000
#alternate-sample-rate = 96000
```

I am wondering if you tried

```
default-sample-rate = 48000
alternate-sample-rate = 96000
```

Also are you using a wifi connection? In my case Quisk runs perfectly on my little netbook and always has if I use a hardwired ethernet connection but stutters on the wifi connection. My good laptop does the same.

73, Graeme zl2apv

On 03/11/15 05:40, michael.hartje@... [n2adr-sdr] wrote:

> hello Eric and others,
>
> thanks for reply.
>
> According to your questions, I can add the following information:
>
> top shows the following after some hours running quisk
>
> 19228 hartje 20 0 944m 392m 17m R 33.6 35.1 405:07.30 python
> 18837 hartje 9 -11 221m 15m 13m S 22.4 1.4 259:59.05 pulseaudio
> 5162 hartje 20 0 354m 26m 6200 R 18.8 2.3 228:04.79 pavucontrol
> 1389 root 20 0 66992 10m 5320 S 11.9 1.0 132:01.18 Xorg
> 25156 hartje 20 0 329m 28m 7616 R 9.6 2.6 45:27.78 fldigi
>
> uname -a
> Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35 UTC
> 2015 i686 i686 i386 GNU/Linux
> it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)
>
> RELEASE=13
> CODENAME=maya
> EDITION="MATE 32-bit"

> DESCRIPTION="Linux Mint 13 Maya"
> DESKTOP=MATE
> TOOLKIT=GTK
>
> pulseaudio --version
> 1.1
>
> I built quisk "from source" with "make" (no parameters)
> Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43: int
> verbose = 2 ---> see results in the debuglog
> Rebuild was done: make (in the quisk-3.7.7-directory)
>
> The following was done with the debug log running qusik one time:
> 1. Start quisk (usbmode)
> 2. switch to DGT-U with running fldigi
> 3. switch to USB
> 4. close quisk
>
> find included the default.pa and daemon.conf
>
> hopefully that will bring us forward....
>
> Thanks to all for reading and thinking about this problem
>
> vy 73
> Michael
> DK5HH
>
>

1838. Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2015-11-02 20:13:19 UTC
From: jahlstr@...
Topic: 1730 Message: 1838

The file play button is used to play a CQ loop, for example, for a contest. It is activated when you specify a "Transmit sound from WAV" file on Config/Config.

Jim
N2ADR

1839. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [3 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-02 20:39:37 UTC
From: michael.hartje@...
Topic: 1823 Message: 1839

hello Graeme,

thanks for the info;
In my daemon.conf the line alternate-sample-rate does not work with my (old) pulseaudio -- this line results into an error: so I commented it out.
The last line "default-sample-rate=48k" is active
(But I can activate the line above by commenting out this line 48k) So pulse is working with 96 k.

My screen shots with the early mail are done with direct connected "softrock-(limaSDR)" to the Dell laptop running quisk. -- resulting the issues.

But I made some experiments with network pulseaudio and usbsoftrock daemon too. More or less, this works even when the laptop has a wifi connection. (with usbmode)
(This divided system will be a goal of all these activities: Softrock - Cubieboard - network - computer with quisk and fldigi at a comfortable room in the house or outside.
This concept seems to work well, as many other om's reported here.

But up to now, we are at the first steps, since the combination of pulseaudio with fldigi has the written difficulties at the moment.

Hope, this answers your intentions and hints

vy 73
Michael
DK5HH

1840. Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 00:24:53 UTC
From: w6jhb@...
Topic: 1840 Message: 1840

You may have seen several posts by me in the last week or so asking for help resolving a major latency issue using my SoftRock Ensemble RXTX on a Raspberry Pi v2. I was never successful getting it working.

Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I successfully built the Quist module and started Quist. I wish I could report that it was 100% successful. There is still latency, not as bad as on the little Raspberry Pi, but still there, and enough that copying CW is just about impossible. Interestingly, when I ran this on the RPi, the latency was 100% gone if I clicked on the Config tab in Quist. On the iMac, the latency does not go away when the Config screen is shown.

So, maybe I simply have something set wrong in my config file. If someone could take a look at my settings ad let me know if there is something set incorrectly, that would really help. I have a Tascam US-125M external USB sound device connected and is assigned hw:1 and the iMac speaker is hw:0.

Here is my config file:

```
# This is configuration file for a SoftRock Rx/Tx Ensemble or
# other SoftRock that has both transmit and receive capability. You need two sound
# cards, a high quality card to capture radio samples and play microphone sound; and
# a lower quality card to play radio sound and capture the microphone.

# Modified 2 Nov, 2015 by W6JHB

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_xtal_frequency = 14444263
si570_i2c_address = 0x70
```

```
# If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
# CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
# Do not press the PTT button. CW has its own timer to control transmit.
key_poll_msec = 5
key_hang_time = 0.7

# Radio samples and audio:
sample_rate = 48000 # ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
playback_rate = 48000 # radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48
ksps.

# Microphone:
microphone_name = name_of_sound_capt # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a
sound card
mic_playback_rate = 48000 # Playback rate for microphone
#mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a fraction
0.0 to 1.0

repeater_delay = 0.25 # delay for changing repeater frequency in seconds
```

1841. Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 01:26:15 UTC
From: Eric Thornton
Topic: 1840 Message: 1841

Are data_poll_usec and latency_milliseconds left at default values? I
don't see anything else that catches my attention in your config file.

Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio daemon?
Otherwise pulse audio will "capture" the alsa streams and pipe them through
the sound server. If it's running, edit /etc/pulse/client.conf and change
the line that reads "; autospawn = yes" to "autospawn = no". Be sure to
remove the comment semi-colon. Then "pulseaudio -k" to kill the server
(note, don't use sudo on that last one as it's run by the user).

Try starting small with just the capture device and one playback device.
Check cpu usage with top. See if you can figure out where things go south.
If total CPU usage stays 70% or less while running, then we should be good
and we can move on from there. If you are near or at 100% (or more if
multiple virtual cores) then the virtual machine is struggling to keep up.

I tried running quisk under Ubuntu with virtual box, and ran into
performance issues that I was unable to resolve. VMWare may be a better
virtual machine program, but I don't have experience with it.

I need to get a RPi v2 to test. Unfortunately I know my wolfson card will
not work as the pinouts are different.

Thanks,

Eric

On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> You may have seen several posts by me in the last week or so asking for
> help resolving a major latency issue using my SoftRock Ensemble RXTX on a
> Raspberry Pi v2. I was never successful getting it working.
>
> Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion
> 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I
> successfully built the Quist module and started Quist. I wish I could
> report that it was 100% successful. There is still latency, not as bad as
> on the little Raspberry Pi, but still there, and enough that copying CW is
> just about impossible. Interestingly, when I ran this on the RPi, the
> latency was 100% gone if I clicked on the Config tab in Quist. On the iMac,
> the latency does not go away when the Config screen is shown.
>
> So, maybe I simply have something set wrong in my config file. If someone
> could take a look at my settings ad let me know if there is something set

```
> incorrectly, that would really help. I have a Tascam US-125M external USB
> sound device connected and is assigned hw:1 and the iMac speaker is hw:0.
>
> Here is my config file:
>
> # This is configuration file for a SoftRock Rx/Tx Ensemble or
> # other SoftRock that has both transmit and receive capability. You need
> two sound
> # cards, a high quality card to capture radio samples and play microphone
> sound; and
> # a lower quality card to play radio sound and capture the microphone.
>
> # Modified 2 Nov, 2015 by W6JHB
>
> from softrock import hardware_usb as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
>
> # In Linux, ALSA soundcards have these names. The "hw" devices are the raw
> # hardware devices, and should be used for soundcard capture.
> #name_of_sound_capt = "hw:0"
> #name_of_sound_capt = "hw:1"
> #name_of_sound_capt = "plughw"
> #name_of_sound_capt = "plughw:1"
> #name_of_sound_capt = "default"
>
> # Pulseaudio support added by Philip G. Lee. Many thanks!
> # For PulseAudio support, use the name "pulse" and connect the streams
> # to your hardware devices using a program like pavucontrol
> #name_of_sound_capt = "pulse"
>
> softrock_model = "RxTxEnsemble"
> si570_direct_control = True
> si570_xtal_frequency = 14444263
> si570_i2c_address = 0x70
>
> # If you have a SoftRock with a key jack, and you want to monitor the
> hardware key state for
> # CW operation, enter a key poll time in milliseconds and a semi-break-in
> hang time in seconds.
> # Do not press the PTT button. CW has its own timer to control transmit.
> key_poll_msec = 5
> key_hang_time = 0.7
>
> # Radio samples and audio:
> sample_rate = 48000 # ADC hardware sample rate
> name_of_sound_capt = "hw:1" # Name of soundcard capture device
> for radio samples.
> playback_rate = 48000 # radio sound playback rate
> name_of_sound_play = "hw:0" # Name of soundcard playback device
> for radio audio. Must be 48 ksps.
```

```
>
> # Microphone:
> microphone_name = name_of_sound_capt # Name of microphone capture device
> name_of_mic_play = name_of_sound_capt # Name of play device if CW or
> mic I/Q is sent to a sound card
> mic_playback_rate = 48000 # Playback rate for microphone
> #mic_out_volume = 0.6 # Transmit sound output volume
> (after all processing) as a fraction 0.0 to 1.0
>
> repeater_delay = 0.25 # delay for changing repeater
> frequency in seconds
>
>
>
>
```

1842. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-03 04:00:38 UTC
From: Eric Thornton
Topic: 1823 Message: 1842

OK, good news and bad news...

Good news is that I have recreated the issue on an older Ubuntu laptop I have by using all 6 streams, similar to Michael. Things are good until switching to digital mode and then capture sample latency goes up and up and up but I don't get any stuttering after the switch.

Bad news is, this looks like something I missed when testing the new pulseaudio code. Writing to multiple streams causes ever increasing latency on IQ samples.

I will look at this and see what the options are to fix it. It may only affect slower computers (like the X300, this E1505 laptop, and the pi2). I'm using it in a half duplex mode (enabled automatically when using a network server) so I didn't see this.

As soon as I have a fix I'll send a patch.

Thanks,

Eric

On Mon, Nov 2, 2015 at 3:39 PM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> hello Graeme,
>
> thanks for the info;
> In my daemon.conf the line alternate-sample-rate does not work with my
> (old) pulseaudio -- this line results into an error: so I commented it out.
> The last line "default-sample-rate=48k" is active
> (But I can activate the line above by commenting out this line 48k) So
> pulse is working with 96 k.
>
> My screen shots with the early mail are done with direct connected
> "softrock-(limaSDR)" to the Dell laptop running quisk. -- resulting the
> issues.
>
> But I made some experiments with network pulseaudio and usbsoftrock daemon
> too. More or less, this works even when the laptop has a wifi connection.
> (with usbmode)
> (This divided system will be a goal of all these activities: Softrock -
> Cubieboard - network - computer with quisk and fldigi at a comfortable room
> in the house or outside.
> This concept seems to work well, as many other om's reported here.

>
> But up to now, we are at the first steps, since the combination of
> pulseaudio with fldigi has the written difficulties at the moment.
>
> Hope, this answers your intentions and hints
>
> vy 73
> Michael
> DK5HH
>
>

1843. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-03 05:34:26 UTC
From: Eric Thornton
Topic: 1823 Message: 1843

Michael,

This is 100% reproducible for me with pavucontrol open. Without, I maintain normal latency even when in digital mode. Do you have a pavucontrol process running?

Thanks,

Eric

On Mon, Nov 2, 2015 at 11:00 PM, Eric Thornton <ewthornton@...> wrote:

> OK, good news and bad news...
>
> Good news is that I have recreated the issue on an older Ubuntu laptop I
> have by using all 6 streams, similar to Michael. Things are good until
> switching to digital mode and then capture sample latency goes up and up
> and up but I don't get any stuttering after the switch.
>
> Bad news is, this looks like something I missed when testing the new
> pulseaudio code. Writing to multiple streams causes ever increasing latency
> on IQ samples.
>
> I will look at this and see what the options are to fix it. It may only
> affect slower computers (like the X300, this E1505 laptop, and the pi2).
> I'm using it in a half duplex mode (enabled automatically when using a
> network server) so I didn't see this.
>
> As soon as I have a fix I'll send a patch.
>
> Thanks,
>
> Eric
>
>
>
> On Mon, Nov 2, 2015 at 3:39 PM, michael.hartje@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> hello Graeme,
>>
>> thanks for the info;
>> In my daemon.conf the line alternate-sample-rate does not work with my
>> (old) pulseaudio -- this line results into an error: so I commented it out.

>> The last line "default-sample-rate=48k" is active
>> (But I can activate the line above by commenting out this line 48k) So
>> pulse is working with 96 k.
>>
>> My screen shots with the early mail are done with direct connected
>> "softrock-(limaSDR)" to the Dell laptop running quisk. -- resulting the
>> issues.
>>
>> But I made some experiments with network pulseaudio and usbsoftrock
>> daemon too. More or less, this works even when the laptop has a wifi
>> connection. (with usbmode)
>> (This divided system will be a goal of all these activities: Softrock -
>> Cubieboard - network - computer with quisk and fldigi at a comfortable room
>> in the house or outside.
>> This concept seems to work well, as many other om's reported here.
>>
>> But up to now, we are at the first steps, since the combination of
>> pulseaudio with fldigi has the written difficulties at the moment.
>>
>> Hope, this answers your intentions and hints
>>
>> vy 73
>> Michael
>> DK5HH
>>
>>
>
>

1844. Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 05:39:18 UTC
From: James Bennett
Topic: 1840 Message: 1844

Eric,

Got it going!!!! I did not realize that Ubuntu kept Pulseaudio as the default. I changed my config to have the name_of_sound_play = "pulse" and that took care of the problem. I do want to note that I probably was not naming my issue correctly. Rather than "latency" I think it more accurate to say "choppy audio" was what I was getting. Now it sounds great. There is some actual "latency" though - when I key my Elecraft K3 there is a small time gap between the key closure and when I hear the audio coming from Quisk. It is enough of a gap to screw up your brain when trying to send CW!

You had asked if I changed data_poll_usec and latency_milliseconds. No, I have not. Will modifying them help that actual latency issue? Suggestions on changes?

And now I wonder if the RPi v2 was doing a default to Pulseaudio like Ubuntu. I hate to re-cable everything again, but in the morning I want to move the RXTX and sound card back to the RPi with the Pulseaudio change that I did tonight in Ubuntu. That would be excellent if the RPi worked and I don't have to mess with the iMac.

Again, thanks for the info regarding Pulseaudio!

73, Jim

Jim Bennett / W6JHB
Folsom, CA

> On Nov 2, 2015, at 5:26 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Are data_poll_usec and latency_milliseconds left at default values? I don't see anything else that catches my attention in your config file.
>
> Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio daemon? Otherwise pulse audio will "capture" the alsa streams and pipe them through the sound server. If it's running, edit /etc/pulse/client.conf and change the line that reads "; autospawn = yes" to "autospawn = no". Be sure to remove the comment semi-colon. Then "pulseaudio -k" to kill the server (note, don't use sudo on that last one as it's run by the user).
>
> Try starting small with just the capture device and one playback device. Check cpu usage with top. See if you can figure out where things go south. If total CPU usage stays 70% or less while running, then we should be good and we can move on from there. If you are near or at 100% (or more if multiple virtual cores) then the virtual machine is struggling to keep up.
>
> I tried running quisk under Ubuntu with virtual box, and ran into performance issues that I was unable to resolve. VMWare may be a better virtual machine program, but I don't have experience with it.
>

> I need to get a RPi v2 to test. Unfortunately I know my wolfson card will not work as the pinouts are different.
>
> Thanks,
>
> Eric
>
>
>
>> On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>
>> You may have seen several posts by me in the last week or so asking for help resolving a major latency issue using my SoftRock Ensemble RXTX on a Raspberry Pi v2. I was never successful getting it working.
>>
>> Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I successfully built the Quist module and started Quist. I wish I could report that it was 100% successful. There is still latency, not as bad as on the little Raspberry Pi, but still there, and enough that copying CW is just about impossible. Interestingly, when I ran this on the RPi, the latency was 100% gone if I clicked on the Config tab in Quist. On the iMac, the latency does not go away when the Config screen is shown.
>>
>> So, maybe I simply have something set wrong in my config file. If someone could take a look at my settings ad let me know if there is something set incorrectly, that would really help. I have a Tascam US-125M external USB sound device connected and is assigned hw:1 and the iMac speaker is hw:0.
>>
>> Here is my config file:
>>
>> # This is configuration file for a SoftRock Rx/Tx Ensemble or
>> # other SoftRock that has both transmit and receive capability. You need two sound
>> # cards, a high quality card to capture radio samples and play microphone sound; and
>> # a lower quality card to play radio sound and capture the microphone.
>>
>> # Modified 2 Nov, 2015 by W6JHB
>>
>> from softrock import hardware_usb as quisk_hardware
>> from softrock import widgets_tx as quisk_widgets
>>
>> # In Linux, ALSA soundcards have these names. The "hw" devices are the raw
>> # hardware devices, and should be used for soundcard capture.
>> #name_of_sound_capt = "hw:0"
>> #name_of_sound_capt = "hw:1"
>> #name_of_sound_capt = "plughw"
>> #name_of_sound_capt = "plughw:1"
>> #name_of_sound_capt = "default"
>>
>> # Pulseaudio support added by Philip G. Lee. Many thanks!
>> # For PulseAudio support, use the name "pulse" and connect the streams

```
>> # to your hardware devices using a program like pavucontrol
>> #name_of_sound_capt = "pulse"
>>
>> softrock_model = "RxTxEnsemble"
>> si570_direct_control = True
>> si570_xtal_frequency = 14444263
>> si570_i2c_address = 0x70
>>
>> # If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
>> # CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
>> # Do not press the PTT button. CW has its own timer to control transmit.
>> key_poll_msec = 5
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>>
>> # Radio samples and audio:
>> sample_rate = 48000 # ADC hardware sample rate
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>> playback_rate = 48000 # radio sound playback rate
>> name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be
48 ksps.
>>
>> # Microphone:
>> microphone_name = name_of_sound_capt # Name of microphone capture device
>> name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to
a sound card
>> mic_playback_rate = 48000 # Playback rate for microphone
>> #mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a
fraction 0.0 to 1.0
>>
>> repeater_delay = 0.25 # delay for changing repeater frequency in seconds
>>
>
>
```

1845. RE: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 05:51:30 UTC
From: MIKE DURKIN
Topic: 1840 Message: 1845

You can also call out the device name with pulse too .....

getting the correct name might be tough .. but i think that the config/sound tab has the correct names

name_of_sound_play = "pulse:USB Audio Device Blah Blah"

I recently did this and also had to(for some reason) auto launch pavucontrol before quisk ... i have extra heavy load on my USB bus due to a DisplayLink display (iv got a blown HDMI -- sucks) and iv probably just about maxed my system out ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 2 Nov 2015 21:39:18 -0800
Subject: Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Eric,
Got it going!!!! I did not realize that Ubuntu kept Pulseaudio as the default. I changed my config to have the name_of_sound_play = "pulse" and that took care of the problem. I do want to note that I probably was not naming my issue correctly. Rather than "latency" I think it more accurate to say "choppy audio" was what I was getting. Now it sounds great. There is some actual "latency" though - when I key my Elecraft K3 there is a small time gap between the key closure and when I hear the audio coming from Quisk. It is enough of a gap to screw up your brain when trying to send CW!
You had asked if I changed data_poll_usec and latency_milliseconds. No, I have not. Will modifying them help that actual latency issue? Suggestions on changes?
And now I wonder if the RPi v2 was doing a default to Pulseaudio like Ubuntu. I hate to re-cable everything again, but in the morning I want to move the RXTX and sound card back to the RPi with the Pulseaudio change that I did tonight in Ubuntu. That would be excellent if the RPi worked and I don't have to mess with the iMac.
Again, thanks for the info regarding Pulseaudio!
73, Jim

Jim Bennett / W6JHBFolsom, CA
On Nov 2, 2015, at 5:26 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Are data_poll_usec and latency_milliseconds left at default values? I don't see anything else that catches my attention in your config file.
Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio daemon? Otherwise pulse audio will "capture" the alsa streams and pipe them through the sound server. If it's running, edit /etc/pulse/client.conf and change the line that reads "; autospawn = yes" to "autospawn = no". Be sure to remove the comment semi-colon. Then "pulseaudio -k" to kill the server (note, don't use sudo on that last one as it's run by the user).
Try starting small with just the capture device and one playback device. Check cpu usage with top. See if you can figure out where things go south. If total CPU usage stays 70% or less while running, then we should be good and we can move on from there. If you are near

or at 100% (or more if multiple virtual cores) then the virtual machine is struggling to keep up.

I tried running quisk under Ubuntu with virtual box, and ran into performance issues that I was unable to resolve. VMWare may be a better virtual machine program, but I don't have experience with it.
I need to get a RPi v2 to test. Unfortunately I know my wolfson card will not work as the pinouts are different.
Thanks,
Eric

On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

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Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I successfully built the Quist module and started Quist. I wish I could report that it was 100% successful. There is still latency, not as bad as on the little Raspberry Pi, but still there, and enough that copying CW is just about impossible. Interestingly, when I ran this on the RPi, the latency was 100% gone if I clicked on the Config tab in Quist. On the iMac, the latency does not go away when the Config screen is shown.

So, maybe I simply have something set wrong in my config file. If someone could take a look at my settings ad let me know if there is something set incorrectly, that would really help. I have a Tascam US-125M external USB sound device connected and is assigned hw:1 and the iMac speaker is hw:0.

Here is my config file:

```
# This is configuration file for a SoftRock Rx/Tx Ensemble or
# other SoftRock that has both transmit and receive capability. You need two sound
# cards, a high quality card to capture radio samples and play microphone sound; and
# a lower quality card to play radio sound and capture the microphone.

# Modified 2 Nov, 2015 by W6JHB

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"
```

```
softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_xtal_frequency = 14444263
si570_i2c_address = 0x70

# If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
# CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
# Do not press the PTT button. CW has its own timer to control transmit.
key_poll_msec = 5
key_hang_time = 0.7

# Radio samples and audio:
sample_rate = 48000 # ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
playback_rate = 48000 # radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48
ksps.

# Microphone:
microphone_name = name_of_sound_capt # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a
sound card
mic_playback_rate = 48000 # Playback rate for microphone
#mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a fraction
0.0 to 1.0

repeater_delay = 0.25 # delay for changing repeater frequency in seconds
```

1846. Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 05:52:58 UTC
From: Eric Thornton
Topic: 1840 Message: 1846

Jim,

Glad to help. I know pulseaudio is available in raspian (pi os) but I'm not sure it was installed on the default image a year ago.

As for latency, two main things affect it... If quisk or pulseaudio lags, samples build up in the read buffer. There is also a playback buffer that is normally configured to the latency_milliseconds value. So a value of 150 is 0.15s. There is also sound card frame buffering that adds some overhead too.

When you go to the status page using the config button, are the values stable? The read samples should stay low around 10,000 to 20,000 ish. The playback buffer should float around your latency value x 1000. I'm working on an issue now that causes these values to climb unacceptably when in digital mode.

Eric
On Nov 3, 2015 12:39 AM, "James Bennett w6jhb@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Eric,
>
> Got it going!!!! I did not realize that Ubuntu kept Pulseaudio as the
> default. I changed my config to have the name_of_sound_play = "pulse" and
> that took care of the problem. I do want to note that I probably was not
> naming my issue correctly. Rather than "latency" I think it more accurate
> to say "choppy audio" was what I was getting. Now it sounds great. There is
> some actual "latency" though - when I key my Elecraft K3 there is a small
> time gap between the key closure and when I hear the audio coming from
> Quisk. It is enough of a gap to screw up your brain when trying to send CW!
>
> You had asked if I changed data_poll_usec and latency_milliseconds. No, I
> have not. Will modifying them help that actual latency issue? Suggestions
> on changes?
>
> And now I wonder if the RPi v2 was doing a default to Pulseaudio like
> Ubuntu. I hate to re-cable everything again, but in the morning I want to
> move the RXTX and sound card back to the RPi with the Pulseaudio change
> that I did tonight in Ubuntu. That would be excellent if the RPi worked and
> I don't have to mess with the iMac.
>
> Again, thanks for the info regarding Pulseaudio!
>

> 73, Jim
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Nov 2, 2015, at 5:26 PM, Eric Thornton ewthornton@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
>
> Are data_poll_usec and latency_milliseconds left at default values? I
> don't see anything else that catches my attention in your config file.
>
> Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio
> daemon? Otherwise pulse audio will "capture" the alsa streams and pipe
> them through the sound server. If it's running, edit /etc/pulse/client.conf
> and change the line that reads "; autospawn = yes" to "autospawn = no". Be
> sure to remove the comment semi-colon. Then "pulseaudio -k" to kill the
> server (note, don't use sudo on that last one as it's run by the user).
>
> Try starting small with just the capture device and one playback device.
> Check cpu usage with top. See if you can figure out where things go south.
> If total CPU usage stays 70% or less while running, then we should be good
> and we can move on from there. If you are near or at 100% (or more if
> multiple virtual cores) then the virtual machine is struggling to keep up.
>
> I tried running quisk under Ubuntu with virtual box, and ran into
> performance issues that I was unable to resolve. VMWare may be a better
> virtual machine program, but I don't have experience with it.
>
> I need to get a RPi v2 to test. Unfortunately I know my wolfson card will
> not work as the pinouts are different.
>
> Thanks,
>
> Eric
>
>
>
> On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> You may have seen several posts by me in the last week or so asking for
>> help resolving a major latency issue using my SoftRock Ensemble RXTX on a
>> Raspberry Pi v2. I was never successful getting it working.
>>
>> Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion
>> 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I

>> successfully built the Quist module and started Quist. I wish I could
>> report that it was 100% successful. There is still latency, not as bad as
>> on the little Raspberry Pi, but still there, and enough that copying CW is
>> just about impossible. Interestingly, when I ran this on the RPi, the
>> latency was 100% gone if I clicked on the Config tab in Quist. On the iMac,
>> the latency does not go away when the Config screen is shown.
>>
>> So, maybe I simply have something set wrong in my config file. If someone
>> could take a look at my settings ad let me know if there is something set
>> incorrectly, that would really help. I have a Tascam US-125M external USB
>> sound device connected and is assigned hw:1 and the iMac speaker is hw:0.
>>
>> Here is my config file:
>>
>> # This is configuration file for a SoftRock Rx/Tx Ensemble or
>> # other SoftRock that has both transmit and receive capability. You need
>> two sound
>> # cards, a high quality card to capture radio samples and play microphone
>> sound; and
>> # a lower quality card to play radio sound and capture the microphone.
>>
>> # Modified 2 Nov, 2015 by W6JHB
>>
>> from softrock import hardware_usb as quisk_hardware
>> from softrock import widgets_tx as quisk_widgets
>>
>> # In Linux, ALSA soundcards have these names. The "hw" devices are the
>> raw
>> # hardware devices, and should be used for soundcard capture.
>> #name_of_sound_capt = "hw:0"
>> #name_of_sound_capt = "hw:1"
>> #name_of_sound_capt = "plughw"
>> #name_of_sound_capt = "plughw:1"
>> #name_of_sound_capt = "default"
>>
>> # Pulseaudio support added by Philip G. Lee. Many thanks!
>> # For PulseAudio support, use the name "pulse" and connect the streams
>> # to your hardware devices using a program like pavucontrol
>> #name_of_sound_capt = "pulse"
>>
>> softrock_model = "RxTxEnsemble"
>> si570_direct_control = True
>> si570_xtal_frequency = 14444263
>> si570_i2c_address = 0x70
>>
>> # If you have a SoftRock with a key jack, and you want to monitor the
>> hardware key state for
>> # CW operation, enter a key poll time in milliseconds and a semi-break-in
>> hang time in seconds.
>> # Do not press the PTT button. CW has its own timer to control transmit.

```
>> key_poll_msec = 5
>> key_hang_time = 0.7
>>
>> # Radio samples and audio:
>> sample_rate = 48000 # ADC hardware sample rate
>> name_of_sound_capt = "hw:1" # Name of soundcard capture device
>> for radio samples.
>> playback_rate = 48000 # radio sound playback rate
>> name_of_sound_play = "hw:0" # Name of soundcard playback
>> device for radio audio. Must be 48 ksps.
>>
>> # Microphone:
>> microphone_name = name_of_sound_capt # Name of microphone capture
>> device
>> name_of_mic_play = name_of_sound_capt # Name of play device if CW or
>> mic I/Q is sent to a sound card
>> mic_playback_rate = 48000 # Playback rate for microphone
>> #mic_out_volume = 0.6 # Transmit sound output volume
>> (after all processing) as a fraction 0.0 to 1.0
>>
>> repeater_delay = 0.25 # delay for changing repeater
>> frequency in seconds
>>
>>
>>
>
>
```

1847. Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 06:26:15 UTC
From: James Bennett
Topic: 1840 Message: 1847

Eric,

I'm looking at that display right now. The Latency value for "Capture radio samples" jumps between 0, 48, and 96. Occasionally I see a 144 in there. The Latency value for "Play radio sound" is around 130,000 or so. The "Play microphone sound Latency is hovering around 5,300.

Not sure which, if any, of those data figures are what you meant, as there are none labeled "read samples". Sorry if I'm a bit slow on the uptake here - this SDR stuff is pretty new to me!

What parameters should I try changing to eliminate the lag in the audio?

Jim

Jim Bennett / W6JHB
Folsom, CA

> On Nov 2, 2015, at 9:52 PM, Eric Thornton ewthornton@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>
> Jim,
>
> Glad to help. I know pulseaudio is available in raspian (pi os) but I'm not sure it was installed on the default image a year ago.
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> As for latency, two main things affect it... If quisk or pulseaudio lags, samples build up in the read buffer. There is also a playback buffer that is normally configured to the latency_milliseconds value. So a value of 150 is 0.15s. There is also sound card frame buffering that adds some overhead too.
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> When you go to the status page using the config button, are the values stable? The read samples should stay low around 10,000 to 20,000 ish. The playback buffer should float around your latency value x 1000. I'm working on an issue now that causes these values to climb unacceptably when in digital mode.
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>> Eric,
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think it more accurate to say "choppy audio" was what I was getting. Now it sounds great. There is some actual "latency" though - when I key my Elecraft K3 there is a small time gap between the key closure and when I hear the audio coming from Quisk. It is enough of a gap to screw up your brain when trying to send CW!
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>> And now I wonder if the RPi v2 was doing a default to Pulseaudio like Ubuntu. I hate to re-cable everything again, but in the morning I want to move the RXTX and sound card back to the RPi with the Pulseaudio change that I did tonight in Ubuntu. That would be excellent if the RPi worked and I don't have to mess with the iMac.
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>>> Are data_poll_usec and latency_milliseconds left at default values? I don't see anything else that catches my attention in your config file.
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>>> Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio daemon? Otherwise pulse audio will "capture" the alsa streams and pipe them through the sound server. If it's running, edit /etc/pulse/client.conf and change the line that reads "; autospawn = yes" to "autospawn = no". Be sure to remove the comment semi-colon. Then "pulseaudio -k" to kill the server (note, don't use sudo on that last one as it's run by the user).
>>>
>>> Try starting small with just the capture device and one playback device. Check cpu usage with top. See if you can figure out where things go south. If total CPU usage stays 70% or less while running, then we should be good and we can move on from there. If you are near or at 100% (or more if multiple virtual cores) then the virtual machine is struggling to keep up.
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>>> I tried running quisk under Ubuntu with virtual box, and ran into performance issues that I was unable to resolve. VMWare may be a better virtual machine program, but I don't have experience with it.
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>>> I need to get a RPi v2 to test. Unfortunately I know my wolfson card will not work as the pinouts are different.
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>>> Thanks,
>>>
>>> Eric
>>>
>>>

>>>
>>>> On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com>
wrote:
>>>>
>>>> You may have seen several posts by me in the last week or so asking for help resolving a major latency issue using my SoftRock Ensemble RXTX on a Raspberry Pi v2. I was never successful getting it working.
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>>>> Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I successfully built the Quist module and started Quist. I wish I could report that it was 100% successful. There is still latency, not as bad as on the little Raspberry Pi, but still there, and enough that copying CW is just about impossible. Interestingly, when I ran this on the RPi, the latency was 100% gone if I clicked on the Config tab in Quist. On the iMac, the latency does not go away when the Config screen is shown.
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>>>> Here is my config file:
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>>>> # This is configuration file for a SoftRock Rx/Tx Ensemble or
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>>>> # cards, a high quality card to capture radio samples and play microphone sound; and
>>>> # a lower quality card to play radio sound and capture the microphone.
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>>>> # Modified 2 Nov, 2015 by W6JHB
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>>>> from softrock import hardware_usb as quisk_hardware
>>>> from softrock import widgets_tx as quisk_widgets
>>>>
>>>> # In Linux, ALSA soundcards have these names. The "hw" devices are the raw
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>>>> #name_of_sound_capt = "hw:0"
>>>> #name_of_sound_capt = "hw:1"
>>>> #name_of_sound_capt = "plughw"
>>>> #name_of_sound_capt = "plughw:1"
>>>> #name_of_sound_capt = "default"
>>>>
>>>> # Pulseaudio support added by Philip G. Lee. Many thanks!
>>>> # For PulseAudio support, use the name "pulse" and connect the streams
>>>> # to your hardware devices using a program like pavucontrol
>>>> #name_of_sound_capt = "pulse"
>>>>
>>>> softrock_model = "RxTxEnsemble"
>>>> si570_direct_control = True
>>>> si570_xtal_frequency = 14444263
>>>> si570_i2c_address = 0x70

```
>>>>
>>>> # If you have a SoftRock with a key jack, and you want to monitor the hardware key
state for
>>>> # CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
>>>> # Do not press the PTT button. CW has its own timer to control transmit.
>>>> key_poll_msec = 5
>>>> key_hang_time = 0.7
>>>>
>>>> # Radio samples and audio:
>>>> sample_rate = 48000 # ADC hardware sample rate
>>>> name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
>>>> playback_rate = 48000 # radio sound playback rate
>>>> name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must
be 48 ksps.
>>>>
>>>> # Microphone:
>>>> microphone_name = name_of_sound_capt # Name of microphone capture device
>>>> name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent
to a sound card
>>>> mic_playback_rate = 48000 # Playback rate for microphone
>>>> #mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a
fraction 0.0 to 1.0
>>>>
>>>> repeater_delay = 0.25 # delay for changing repeater frequency in seconds
>>>>
>
>
```

1848. Pulse and loopbacks

Yahoo group: n2adr-sdr
Date: 2015-11-03 07:20:12 UTC
From: gvjury@...
Topic: 1848 Message: 1848

Hi group,

I guess this is really aimed at Eric and Jim but I am still having a few issues with pulse although alsa is working well. Then stay with alsa you may advise but there is a couple of strong reasons to move.

For some unexplainable reason pulse has less latency than alsa and I am running "latency_millisecs = 25" with no problems using pulse. The latency really is better and I can key at 25 wpm using the sidetone monitor on quisk rather than the sidetone on the keyer and in fact they sound almost perfectly in sync.

wsjt-x requires pulse rather than alsa as wspr does and I want to switch to wsjtx as it now supports wspr on the devel version.

My .quisk_conf.py file contains the following settings

```
name_of_sound_play = "pulse:hw:0,0"
microphone_name = "pulse:hw:0,0"

digital_input_name = "pulse:hw:1,0"
digital_output_name = "pulse:hw:1,0"
```

The config/status screen on Quisk displays the following ...

```
Capture radio samples UDP
Capture microphone samples pulse:alsa_input.pci-0000_00_05.0.analog-stereo
Capture digital Tx samples pulse:alsa_input.platform-snd_aloop.0.analog-mono
Play radio sound pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Play digital mode sound pulse:alsa_output.platform-snd_aloop.0.analog-mono
```

All the devices show latency moving except "Play digital mode sound" which displays 0 so I have a problem there.

Now here comes the bits I can't get my head around. On the config/sound panel the loopback devices are reported as ...

```
Available devices for capture
Loopback Loopback PCM (hw:1,0)
Loopback Loopback PCM (hw:1,1)
Available devices for playback
Loopback Loopback PCM (hw:1,0)
Loopback Loopback PCM (hw:1,1)
```

but if I try to use digital_input_name = "pulse:hw:1,1" Quisk crashes. I am assuming that loopbacks are arranged something like this ...

```
hw:1,0 ---- Loopback ---- hw:1,1
```

so that a signal fed in on hw:1,0 will appear as an output on hw:1,1. wsjtx can't seem to find hw:1,1 so I was wanting to connect Quisk to hw:1,1 and see if I can get a connection to wsjtx on hw:1,0

It is also interesting that using name_of_sound_play = "pulse:hw:0,0" shows up as Play radio sound pulse:alsa_output.pci-0000_00_05.0.analog-stereo in Quisk.

Jim just a suggestion but it would help a lot if the status, config, sound etc pages in Quisk were text based like the help page as cut and paste from them would be very useful for settings and help.

Again Quisk Quisk 3.7.8 has turned out to give useful improvements and is a delight to use.

73, Graeme zl2apv

1849. Re: Quisk-3.7.8

Yahoo group: n2adr-sdr
Date: 2015-11-03 08:54:53 UTC
From: dh5ym@...
Topic: 1836 Message: 1849

Hi Jim,

thank you for implementing all the stuff !
The Split feature in CW is now really cool. You can call CW and listen to other stations in between your CQ loops. Together with the DX Cluster feature you do not miss anything anymore ;)

regards
Mario

1850. Re: [n2adr-sdr] Pulse and loopbacks

Yahoo group: n2adr-sdr
Date: 2015-11-03 16:36:16 UTC
From: Eric Thornton
Topic: 1848 Message: 1850

Hi Graeme,

I've never tested alsa loopback through pulse. Puleaudio has it's own method of doing this with a null sink. In your /etc/pulse/default.pa add the following line and restart pulse.

load-module module-null-sink sink
_name="digital-out"

Now you can change your quisk config to digital_output_name = "pulse:digital-out" and configure wsjtx to use digital-out.monitor as it's source. The reverse can be done to get audio back to quisk by adding a second null sink named digital-in and configuring quisk to read pulse:digital-in.monitor. This sounds confusing at first but it works well. I am doing this with both fldigi and wsjtx development. Using pulseaudio and alsa together may be resulting in the crash. It's definitely not ideal.

The 0 latency value status screen is because the digital output (and play microphone sound) both have latency reporting nulled out in the code. I need to talk with Jim about enabling these but didn't want to break anything if they were set to 0 for a reason since this change affects all audio interfaces.

Let me know is this resolves your issues. If not, can you post the crash message?

Eric
On Nov 3, 2015 2:20 AM, "gvjury@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi group,
>
> I guess this is really aimed at Eric and Jim but I am still having a few
> issues with pulse although alsa is working well. Then stay with alsa you
> may advise but there is a couple of strong reasons to move.
>
> For some unexplainable reason pulse has less latency than alsa and I am
> running "latency_millisecs = 25" with no problems using pulse. The latency
> really is better and I can key at 25 wpm using the sidetone monitor on
> quisk rather than the sidetone on the keyer and in fact they sound almost
> perfectly in sync.
>
> wsjt-x requires pulse rather than alsa as wspr does and I want to switch
> to wsjtx as it now supports wspr on the devel version.
>

> My .quisk_conf.py file contains the following settings
>
> name_of_sound_play = "pulse:hw:0,0"
> microphone_name = "pulse:hw:0,0"
>
> digital_input_name = "pulse:hw:1,0"
> digital_output_name = "pulse:hw:1,0"
>
> The config/status screen on Quisk displays the following ...
>
> Capture radio samples UDP
> Capture microphone samples pulse:alsa_input.pci-0000_00_05.0.analog-stereo
> Capture digital Tx samples
> pulse:alsa_input.platform-snd_aloop.0.analog-mono
> Play radio sound
> pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Play digital mode sound
> pulse:alsa_output.platform-snd_aloop.0.analog-mono
>
> All the devices show latency moving except "Play digital mode sound" which
> displays 0 so I have a problem there.
>
> Now here comes the bits I can't get my head around. On the config/sound
> panel the loopback devices are reported as ...
>
> Available devices for capture
> Loopback Loopback PCM (hw:1,0)
> Loopback Loopback PCM (hw:1,1)
> Available devices for playback
> Loopback Loopback PCM (hw:1,0)
> Loopback Loopback PCM (hw:1,1)
>
> but if I try to use digital_input_name = "pulse:hw:1,1" Quisk crashes. I
> am assuming that loopbacks are arranged something like this ...
>
> hw:1,0 ---- Loopback ---- hw:1,1
>
> so that a signal fed in on hw:1,0 will appear as an output on hw:1,1.
> wsjtx can't seem to find hw:1,1 so I was wanting to connect Quisk to hw:1,1
> and see if I can get a connection to wsjtx on hw:1,0
>
> It is also interesting that using name_of_sound_play = "pulse:hw:0,0"
> shows up as
> Play radio sound
> pulse:alsa_output.pci-0000_00_05.0.analog-stereo in Quisk.
>
> Jim just a suggestion but it would help a lot if the status, config, sound
> etc pages in Quisk were text based like the help page as cut and paste from
> them would be very useful for settings and help.
>

> Again Quisk Quisk 3.7.8 has turned out to give useful improvements and is
> a delight to use.
>
> 73, Graeme zl2apv
>
>

1851. Re: [n2adr-sdr] Quist 3.7.6 Audio Problem, Part II

Yahoo group: n2adr-sdr
Date: 2015-11-03 19:19:23 UTC
From: James Bennett
Topic: 1840 Message: 1851

Eric,

Well, I moved the RXTX and sound card back to the RPi this morning and set the name_of_sound_play to “pulse”. No joy. When I started Quisk it pretty much froze up. No reception, none of the buttons were responsive. Changed the config back to hw:0 and it ran, but the choppy audio was back. I gave up and moved it all back to the Ubuntu guest on my iMac/VMware Fusion. Works pretty well over on this platform.

In an attempt to reduce the latency, I’ve gone so far as to set latency_millisecs to 20 and data_poll_usec to 200. It has helped, but not entirely. I do see with things set this way that I have a ton of errors (and climbing) on “Play radio sound”. I think I’ll probably set those two values back closer to default and cut back on the errors. My CW operating will be done using an external K1EL keyer with a built-in side tone, so if I listen to the side tone my brain won’t get messed up.

Anyway, if you do ever get hold of a Raspberry Pi V2 and fiddle with quisk on it, please post or drop me a note (w6jhb@... <mailto:w6jhb@...>) how it works for you.

73, Jim

> On Monday, Nov 2, 2015, at Monday, 9:52 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Jim,
>
> Glad to help. I know pulseaudio is available in raspian (pi os) but I'm not sure it was installed on the default image a year ago.
>
> As for latency, two main things affect it... If quisk or pulseaudio lags, samples build up in the read buffer. There is also a playback buffer that is normally configured to the latency_milliseconds value. So a value of 150 is 0.15s. There is also sound card frame buffering that adds some overhead too.
>
> When you go to the status page using the config button, are the values stable? The read samples should stay low around 10,000 to 20,000 ish. The playback buffer should float around your latency value x 1000. I'm working on an issue now that causes these values to climb unacceptably when in digital mode.
>
> Eric
>
> On Nov 3, 2015 12:39 AM, "James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
>
> Eric,

>
> Got it going!!!! I did not realize that Ubuntu kept Pulseaudio as the default. I changed my config to have the name_of_sound_play = "pulse" and that took care of the problem. I do want to note that I probably was not naming my issue correctly. Rather than "latency" I think it more accurate to say "choppy audio" was what I was getting. Now it sounds great. There is some actual "latency" though - when I key my Elecraft K3 there is a small time gap between the key closure and when I hear the audio coming from Quisk. It is enough of a gap to screw up your brain when trying to send CW!
>
> You had asked if I changed data_poll_usec and latency_milliseconds. No, I have not. Will modifying them help that actual latency issue? Suggestions on changes?
>
> And now I wonder if the RPi v2 was doing a default to Pulseaudio like Ubuntu. I hate to re-cable everything again, but in the morning I want to move the RXTX and sound card back to the RPi with the Pulseaudio change that I did tonight in Ubuntu. That would be excellent if the RPi worked and I don't have to mess with the iMac.
>
> Again, thanks for the info regarding Pulseaudio!
>
> 73, Jim
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Nov 2, 2015, at 5:26 PM, Eric Thornton ewthornton@... <mailto:ewthornton@gmail.com> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>>
>>
>> Are data_poll_usec and latency_milliseconds left at default values? I don't see anything else that catches my attention in your config file.
>>
>> Ubuntu uses Pulseaudio by default. Did you disable the pulseaudio daemon? Otherwise pulse audio will "capture" the alsa streams and pipe them through the sound server. If it's running, edit /etc/pulse/client.conf and change the line that reads "; autospawn = yes" to "autospawn = no". Be sure to remove the comment semi-colon. Then "pulseaudio -k" to kill the server (note, don't use sudo on that last one as it's run by the user).
>>
>> Try starting small with just the capture device and one playback device. Check cpu usage with top. See if you can figure out where things go south. If total CPU usage stays 70% or less while running, then we should be good and we can move on from there. If you are near or at 100% (or more if multiple virtual cores) then the virtual machine is struggling to keep up.
>>
>> I tried running quisk under Ubuntu with virtual box, and ran into performance issues that I was unable to resolve. VMWare may be a better virtual machine program, but I don't have experience with it.
>>
>> I need to get a RPi v2 to test. Unfortunately I know my wolfson card will not work as the pinouts are different.

>>
>> Thanks,
>>
>> Eric
>>
>>
>>
>> On Mon, Nov 2, 2015 at 7:24 PM, w6jhb@... <mailto:w6jhb@me.com> [n2adr-sdr]
<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> You may have seen several posts by me in the last week or so asking for help resolving a major latency issue using my SoftRock Ensemble RXTX on a Raspberry Pi v2. I was never successful getting it working.
>>
>> Today I built a Ubuntu Linux distribution on my iMac under VMware Fusion 8.0.2, downloaded all the required co-packages, along with Quist 3.7.6. I successfully built the Quist module and started Quist. I wish I could report that it was 100% successful. There is still latency, not as bad as on the little Raspberry Pi, but still there, and enough that copying CW is just about impossible. Interestingly, when I ran this on the RPi, the latency was 100% gone if I clicked on the Config tab in Quist. On the iMac, the latency does not go away when the Config screen is shown.
>>
>> So, maybe I simply have something set wrong in my config file. If someone could take a look at my settings ad let me know if there is something set incorrectly, that would really help. I have a Tascam US-125M external USB sound device connected and is assigned hw:1 and the iMac speaker is hw:0.
>>
>> Here is my config file:
>>
>> # This is configuration file for a SoftRock Rx/Tx Ensemble or
>> # other SoftRock that has both transmit and receive capability. You need two sound
>> # cards, a high quality card to capture radio samples and play microphone sound; and
>> # a lower quality card to play radio sound and capture the microphone.
>>
>> # Modified 2 Nov, 2015 by W6JHB
>>
>> from softrock import hardware_usb as quisk_hardware
>> from softrock import widgets_tx as quisk_widgets
>>
>> # In Linux, ALSA soundcards have these names. The "hw" devices are the raw
>> # hardware devices, and should be used for soundcard capture.
>> #name_of_sound_capt = "hw:0"
>> #name_of_sound_capt = "hw:1"
>> #name_of_sound_capt = "plughw"
>> #name_of_sound_capt = "plughw:1"
>> #name_of_sound_capt = "default"
>>
>> # Pulseaudio support added by Philip G. Lee. Many thanks!
>> # For PulseAudio support, use the name "pulse" and connect the streams
>> # to your hardware devices using a program like pavucontrol

```
>> #name_of_sound_capt = "pulse"
>>
>> softrock_model = "RxTxEnsemble"
>> si570_direct_control = True
>> si570_xtal_frequency = 14444263
>> si570_i2c_address = 0x70
>>
>> # If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
>> # CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
>> # Do not press the PTT button. CW has its own timer to control transmit.
>> key_poll_msec = 5
>> key_hang_time = 0.7
>>
>> # Radio samples and audio:
>> sample_rate = 48000 # ADC hardware sample rate
>> name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
>> playback_rate = 48000 # radio sound playback rate
>> name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be
48 ksps.
>>
>> # Microphone:
>> microphone_name = name_of_sound_capt # Name of microphone capture device
>> name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to
a sound card
>> mic_playback_rate = 48000 # Playback rate for microphone
>> #mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a
fraction 0.0 to 1.0
>>
>> repeater_delay = 0.25 # delay for changing repeater frequency in seconds
>>
>>
>>
>>
>>
>>
>>
>>
>
>
>
```

1852. Re: Pulse and loopbacks

Yahoo group: n2adr-sdr
Date: 2015-11-03 19:29:01 UTC
From: jahlstr@...
Topic: 1848 Message: 1852

Graeme>
>but if I try to use digital_input_name = "pulse:hw:1,1" Quisk crashes. I am assuming that loopbacks are arranged something like this ...

>hw:1,0 ---- Loopback ---- hw:1,1

I think I remember that the same device is used in Quisk and in the external program. So:

hw:1,0 ---- Loopback ---- hw:1,0

Jim
N2ADR

1853. Re: Quisk-3.7.8

Yahoo group: n2adr-sdr
Date: 2015-11-03 19:32:29 UTC
From: jahlstr@...
Topic: 1836 Message: 1853

Hello Mario,

Thanks. I am glad this is working. My next project is to re-organize the buttons so that Quisk is more usable on a small screen, such as those connected to Raspberry pi.

After that, I have a project to control config file settings within Quisk so a config file is not needed. This will also support multiple radios for those with several SDR hardwares.

Jim
N2ADR

1854. Re: [n2adr-sdr] Pulse and loopbacks

Yahoo group: n2adr-sdr
Date: 2015-11-03 21:14:30 UTC
From: Graeme Jury
Topic: 1848 Message: 1854

Hi Eric,

Yes this is perfect. I found that the crashes were due to names for audio that Quisk did not understand like when I was trying hw:1,1 which although listed as an "Available devices for capture" was in fact an invalid device. Changing to hw:1,0 fixed that problem. Quisk also crashed when I made silly mistakes like hw:0.0 instead of hw:0,0 it amazing how dumb computers are and they do exactly what you say instead of what you mean.

Thanks for the help Eric, I think you have done an amazing job with pulse and for the first time I have seen the value in it. I must admit I was terribly biased by the excellent results I have had from Jack and QjackControl gave the most wonderful interconnection info but now I can see that you can get the same result from pulse and the latency is very good. When Ubuntu first went with it, it gave me a lot of headaches but it is good now.

73, Graeme zl2apv

On 04/11/15 05:36, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
>
> Hi Graeme,
>
> I've never tested alsa loopback through pulse. Puleaudio has it's own
> method of doing this with a null sink. In your /etc/pulse/default.pa
> <http://default.pa> add the following line and restart pulse.
>
> load-module module-null-sink sink
> _name="digital-out"
>
> Now you can change your quisk config to digital_output_name =
> "pulse:digital-out" and configure wsjtx to use digital-out.monitor as
> it's source. The reverse can be done to get audio back to quisk by
> adding a second null sink named digital-in and configuring quisk to
> read pulse:digital-in.monitor. This sounds confusing at first but it
> works well. I am doing this with both fldigi and wsjtx development.
> Using pulseaudio and alsa together may be resulting in the crash. It's
> definitely not ideal.
>
> The 0 latency value status screen is because the digital output (and
> play microphone sound) both have latency reporting nulled out in the
> code. I need to talk with Jim about enabling these but didn't want to
> break anything if they were set to 0 for a reason since this change
> affects all audio interfaces.
>

> Let me know is this resolves your issues. If not, can you post the
> crash message?
>
> Eric
>
> On Nov 3, 2015 2:20 AM, "gvjury@... <mailto:gvjury@...>
> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Hi group,
>
> I guess this is really aimed at Eric and Jim but I am still having
> a few issues with pulse although alsa is working well. Then stay
> with alsa you may advise but there is a couple of strong reasons
> to move.
>
> For some unexplainable reason pulse has less latency than alsa and
> I am running "latency_millisecs = 25" with no problems using
> pulse. The latency really is better and I can key at 25 wpm using
> the sidetone monitor on quisk rather than the sidetone on the
> keyer and in fact they sound almost perfectly in sync.
>
> wsjt-x requires pulse rather than alsa as wspr does and I want to
> switch to wsjtx as it now supports wspr on the devel version.
>
> My .quisk_conf.py file contains the following settings
>
> name_of_sound_play = "pulse:hw:0,0"
> microphone_name = "pulse:hw:0,0"
>
> digital_input_name = "pulse:hw:1,0"
> digital_output_name = "pulse:hw:1,0"
>
> The config/status screen on Quisk displays the following ...
>
> Capture radio samples UDP
> Capture microphone samples
> pulse:alsa_input.pci-0000_00_05.0.analog-stereo
> Capture digital Tx samples
> pulse:alsa_input.platform-snd_aloop.0.analog-mono
> Play radio sound pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Play digital mode sound
> pulse:alsa_output.platform-snd_aloop.0.analog-mono
>
> All the devices show latency moving except "Play digital mode
> sound" which displays 0 so I have a problem there.
>
> Now here comes the bits I can't get my head around. On the
> config/sound panel the loopback devices are reported as ...
>

> Available devices for capture
> Loopback Loopback PCM (hw:1,0)
> Loopback Loopback PCM (hw:1,1)
> Available devices for playback
> Loopback Loopback PCM (hw:1,0)
> Loopback Loopback PCM (hw:1,1)
>
> but if I try to use digital_input_name = "pulse:hw:1,1" Quisk
> crashes. I am assuming that loopbacks are arranged something like
> this ...
>
> hw:1,0 ---- Loopback ---- hw:1,1
>
> so that a signal fed in on hw:1,0 will appear as an output on
> hw:1,1. wsjtx can't seem to find hw:1,1 so I was wanting to
> connect Quisk to hw:1,1 and see if I can get a connection to wsjtx
> on hw:1,0
>
> It is also interesting that using name_of_sound_play =
> "pulse:hw:0,0" shows up as
> Play radio sound pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> in Quisk.
>
> Jim just a suggestion but it would help a lot if the status,
> config, sound etc pages in Quisk were text based like the help
> page as cut and paste from them would be very useful for settings
> and help.
>
> Again Quisk Quisk 3.7.8 has turned out to give useful improvements
> and is a delight to use.
>
> 73, Graeme zl2apv
>
>

1855. Re: [n2adr-sdr] Re: Pulse and loopbacks

Yahoo group: n2adr-sdr
Date: 2015-11-03 21:31:33 UTC
From: Graeme Jury
Topic: 1848 Message: 1855

Hello Jim,

Amazing how 1 line of help gives so much understanding. Yes the penny has dropped and I can see how the loopbacks work now and I have implemented my loopback with pulse on my main computer thanks to Eric's help.

It is very strange that I got the alsa loopback that I set up on another machine to be understood by pulse and goes just fine on it but on this machine it did not. The two machines are using Linux Mint 17.2 but are different in that one is 32 bit (works with alsa) and the other (my main machine) is 64 bit. I am thinking that it is a wsjtx problem and will revisit it some time later but I need to get back to the Hermes Lite for now.

The manual probably needs updating to include the pulse info and setting up a loopback for fldigi, wsjt-x etc. but with the reduced panel and stuff you are contemplating it may need quite a big change rather than just pulse. I can see the value in a reduced button panel but also like to have all the controls I use available to click onto rather than drop down menus. maybe a compromise of say 3 tabbed pages with Rx controls on 1 page Tx controls on another and normal operating controls on the third. The Zoom sliders could stay in the same place.

Tnx es 73, Graeme zl2apv

On 04/11/15 08:29, jahlstr@... [n2adr-sdr] wrote:
> Graeme>
> >but if I try to use digital_input_name = "pulse:hw:1,1" Quisk
> crashes. I am assuming that loopbacks are arranged something like this ...
>
> >hw:1,0 ---- Loopback ---- hw:1,1
>
> I think I remember that the same device is used in Quisk and in the
> external program. So:
>
> hw:1,0 ---- Loopback ---- hw:1,0
>
> Jim
> N2ADR
>

1856. Re: [n2adr-sdr] Re: audio latency with digital modes - stuttering audio [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-03 22:49:18 UTC
From: michael.hartje@...
Topic: 1823 Message: 1856
Attachments: 2 described; binary payloads are missing from this source WARC

@Eric,
thanks for th info, that you got the issues as well.

1. Yes a pavucontrol was open to switch and control the streams. When I closed it , the situation becomes better and drop out were reduced but still increasing latency (as you described it as well)

2. For linux Mint Maya 13 ubuntu 12.04 (precise) is a base system. When the Dell X300 has a non PAE-CPU, it is not easy to upgrade to newer ubuntu 14.04 (and getting an actual pulseaudio) -- But I fear, that I should do this.

3 Enclosed you find the log of "pacmd list", while qusik is running in DGT-U mode with 48 k (and pulseaudio also 48 k) and fldigi is connected -- pavucontrol is off.
As you recommended, parameters in quisk are latency_milisecs=300 and data_poll_usecs=5000.
Find enclosed the log of quisk with verbose=1 in sound_pulseaudio.c:43.

Hope this helps to catch it.

Thanks for now

vy 73

Michael
DK5HH

1857. Shane G0JNR new to the group.

Yahoo group: n2adr-sdr
Date: 2015-11-04 17:59:04 UTC
From: hairyfred1@...
Topic: 1857 Message: 1857

Just want to say hi to the group! I have dusted off my Raspberry Pi2

with Mint installed and would like to get Quisk running on it.

Here's what I have done so far - hope it is of interest!

02-11-15 Attempting to install Quisk on Raspberry Pi2.
Trying to follow a thread on Yahoo groups and the instructions at 'What is Quisk'
Had to install gzip.
Installed required libraries.
Downloaded quisk-3.7.7.tar.gz
gunzipped it to get quisk-3.7.7.tar
tar xf quisk-3.7.7.tar

used python quisk.py to run quisk but got this error:

shane@pi-desktop:~/quisk$ python quisk.py
Traceback (most recent call last):
File "quisk.py", line 34, in <module>
import _quisk as QS
ImportError: ./_quisk.so: cannot open shared object file: No such file or directory.
I don't have a clue what this is about!

Wednesday 4th November 2015.
Played about with previous install all morning on and off. Got nowhere so decided to remove the last install 3.7.7.
I had already downloaded all the pre-requisite libraries so with nothing to lose I thought I would try sudo apt-get install quisk from Raspberry Pi2's Mint.
All seemed to download - took quite a while though.
Under applications I now had Quisk. I clicked on it - at first i thought nothing was going to happen (as expected) but blow me after a half a minute Quisk 3.6.18 popped up!
I wasn't ready for that. I scratched around for some old usb sound cards and found one I used on Softrock 9 a few years ago.
I plugged it in but it had to be straight into the Pi2 it didn't get detected via my 4 port usb hub.
Bus 001 Device 011 ID 0d8c:0102 C-Media Electronics, Inc. CM106 Like sound device.
I used the .quisk_conf.py from my other Ubuntu machine which is very simple.

sample_rate = 48000 # ADC hardware sample rate in Hertz
name_of_sound_capt = "hw:1" # Name of souncard capture hardware device.
name_of_sound_play = name_of_sound_capt # Use the same device for play back
channel_i = 0 # Soundcard index of in-phase channel: 0, 1, 2, ...
channel_q = 1 # Soundcard index of quadrature channel: 0, 1, 2, ...

At this point I set the audio defaults and input some cw audio and plugged my headphones into the external usb sound card.
I could hear the output and the waterfall showed me +/- 24 khz (of my 3khz signal!).

Progress.

SDR next - I have a Kanga Soft rock type receiver that I have had working on my other 'big' Ubuntu system.

My ultimate aim is to build a transciever with a Raspberry Pi2 and a small Oled display showing Quisk (optimist!).
The Vfo is an Arduino with a 2 x 16 display - which I've just finished.

Writing this on the Pi2

73's and all comments welcome.

Shane Doveton G0JNR. Scarborough UK.

1858. Quisk and SDRPlay

Yahoo group: n2adr-sdr
Date: 2015-11-04 20:29:29 UTC
From: frspin@...
Topic: 1659 Message: 1858

Is anyone working on interfacing Quisk to SDRPlay receiver?

API are stable now.

Regards

Franco Spinelli
IW2DHW

1859. Re: [n2adr-sdr] Shane G0JNR new to the group.

Yahoo group: n2adr-sdr
Date: 2015-11-05 02:14:50 UTC
From: Sid Boyce
Topic: 1857 Message: 1859

The ~/.quisk_conf.py looks good. You didn't run "make" in quisk-3.7.7
directory.

There are also a number of pre-req packages needed. I submitted some
posts 16th. and 17th. October.
Check the archives.

"sudo apt-get install build-essential" first, the others plus
instructions you'll find in my posts.
If you have problems after that, please ask.
73 ... Sid.

On 04/11/15 17:59, hairyfred1@... [n2adr-sdr] wrote:
>
> Just want to say hi to the group! I have dusted off my Raspberry Pi2
>
> with Mint installed and would like to get Quisk running on it.
>
>
> Here's what I have done so far - hope it is of interest!
>
>
> 02-11-15 Attempting to install Quisk on Raspberry Pi2.
> Trying to follow a thread on Yahoo groups and the instructions at
> 'What is Quisk'
> Had to install gzip.
> Installed required libraries.
> Downloaded quisk-3.7.7.tar.gz
> gunzipped it to get quisk-3.7.7.tar
> tar xf quisk-3.7.7.tar
>
> used python quisk.py to run quisk but got this error:
>
> shane@pi-desktop:~/quisk$ python quisk.py
> Traceback (most recent call last):
> File "quisk.py", line 34, in <module>
> import _quisk as QS
> ImportError: ./_quisk.so: cannot open shared object file: No such file
> or directory.
> I don't have a clue what this is about!
>
> Wednesday 4th November 2015.
> Played about with previous install all morning on and off. Got nowhere
> so decided to remove the last install 3.7.7.
> I had already downloaded all the pre-requisite libraries so with
> nothing to lose I thought I would try sudo apt-get install quisk from

> Raspberry Pi2's Mint.
> All seemed to download - took quite a while though.
> Under applications I now had Quisk. I clicked on it - at first i
> thought nothing was going to happen (as expected) but blow me after a
> half a minute Quisk 3.6.18 popped up!
> I wasn't ready for that. I scratched around for some old usb sound
> cards and found one I used on Softrock 9 a few years ago.
> I plugged it in but it had to be straight into the Pi2 it didn't get
> detected
> via my 4 port usb hub.
> Bus 001 Device 011 ID 0d8c:0102 C-Media Electronics, Inc. CM106 Like
> sound device.
> I used the .quisk_conf.py from my other Ubuntu machine which is very
> simple.
>
> sample_rate = 48000 # ADC hardware sample rate in Hertz
> name_of_sound_capt = "hw:1" # Name of souncard capture
> hardware device.
> name_of_sound_play = name_of_sound_capt # Use the same device
> for play back
> channel_i = 0 # Soundcard index of in-phase
> channel: 0, 1, 2, ...
> channel_q = 1 # Soundcard index of quadrature
> channel: 0, 1, 2, ...
>
> At this point I set the audio defaults and input some cw audio and
> plugged my headphones into the external usb sound card.
> I could hear the output and the waterfall showed me +/- 24 khz (of my
> 3khz signal!).
> Progress.
>
> SDR next - I have a Kanga Soft rock type receiver that I have had
> working on my other 'big' Ubuntu system.
>
> My ultimate aim is to build a transciever with a Raspberry Pi2 and a
> small Oled display showing Quisk (optimist!).
> The Vfo is an Arduino with a 2 x 16 display - which I've just finished.
>
>
> Writing this on the Pi2
>
> 73's and all comments welcome.
>
> Shane Doveton G0JNR. Scarborough UK.
>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1860. Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 07:11:20 UTC
From: MIKE DURKIN
Topic: 1860 Message: 1860

Does any one know what to enter into the soundcard settings for fldigi ?

It has a box where you fill in the serverstring .... just leave it blank?

Im using the loopback for digital ....

so far fldigi keeps saying that the server refused connection ....

1861. Re: Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 08:33:33 UTC
From: michael.hartje@...
Topic: 1860 Message: 1861

what system loopback are you using? (OSS, ALSA. PULSEAUDIO)?

A simple path is to use Pulse -- then you can arrange the input and output in "pavucontrol"
If you use alsa (snd-aloop) then you can use "portaudio" and giving the names in fldigi

If you want to use pulseaudio for qusik and fldigi, you should have a look on this website
km4dsj https://km4dsj.wordpress.com/

https://km4dsj.wordpress.com/

km4dsj https://km4dsj.wordpress.com/ (by Eric)

View on km4dsj.wordpress.com https://km4dsj.wordpress.com/
Preview by Yahoo

Hope this helps -- otherwise ask again more precise

vy73

michael
DK5HH

1862. Re: [n2adr-sdr] Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 13:25:15 UTC
From: Eric Thornton
Topic: 1860 Message: 1862

Leave server string blank, but you need to point it to the sound source using pavucontrol. You can either create a null sink in pulseaudio and use this with digital out, or the easier way is to point fldigi to the monitor of your radio output.

Let me know is this makes sense.

Eric
On Nov 5, 2015 2:11 AM, "MIKE DURKIN Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Does any one know what to enter into the soundcard settings for fldigi ?
>
> It has a box where you fill in the serverstring .... just leave it blank?
>
> Im using the loopback for digital ....
>
> so far fldigi keeps saying that the server refused connection ....
>
>

1863. Re: [n2adr-sdr] Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 16:13:27 UTC
From: michael.hartje@...
Topic: 1860 Message: 1863

I like to recommend using a really loopback for operation with fldigi. So you can mute the AF-Output. In my opinion the "digital sound" is nothing for listening all the time (snd-system dependend use
alsa: modprobe snd-aloop and the loopback devices is called Loopback,n Pulse: make 2 pulse "null-sink" named L_Rx2app and L_app2TXin. Write into these devces, listen to L_Rx2app.monitor since I sent my pulseaudio config files during the past days to this list, you can find some examples here in the list archives for your adaption (look for my postes the last days) have a look for files named default.pa and (daemon.conf)

hope this helps

vy73
Michael
DK5HH

1864. RE: [n2adr-sdr] Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 17:21:22 UTC
From: MIKE DURKIN
Topic: 1860 Message: 1864

with that setup can you Tx with Fldigi ?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 5 Nov 2015 08:13:27 -0800
Subject: Re: [n2adr-sdr] Fldigi and pulseaudio

I like to recommend using a really loopback for operation with fldigi. So you can mute the AF-Output. In my opinion the "digital sound" is nothing for listening all the time (snd-system dependend use

alsa: modprobe snd-aloop and the loopback devices is called Loopback,nPulse: make 2 pulse "null-sink" named L_Rx2app and L_app2TXin. Write into these devces, listen to L_Rx2app.monitor since I sent my pulseaudio config files during the past days to this list, you can find some examples here in the list archives for your adaption (look for my postes the last days) have a look for files named default.pa and (daemon.conf)

hope this helps

vy73
Michael
DK5HH

1865. RE: [n2adr-sdr] Fldigi and pulseaudio

Yahoo group: n2adr-sdr
Date: 2015-11-05 21:48:12 UTC
From: michael.hartje@...
Topic: 1860 Message: 1865
Attachments: 1 described; binary payloads are missing from this source WARC

yes transmitting -- and in parallel

I open WSJT-X and fldigi -- fldigi controls the TX-Freq, WSJT-X controls the Split-freq for the 2. RX. There you have to use "split" both are in parallel reporting to pskreporter -- see the attached screen shot.

you must configure the fldigi with xmlproc and wsjtx with hamlib- control of quisk. It is a good idea, to have 2 more loopback channels to divide the left and right audio channel into different devices. So we have the right audio at the right programm. -- a simple method is to put both channels to both programs (this works well: have a look to my results the last week on pskreporter)

hope, this helps

vy73
Michael
DK5HH

1866. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio [3 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-11-06 02:58:02 UTC
From: Eric Thornton
Topic: 1823 Message: 1866

Michael,

I've thoroughly looked over the logs and files and I'm not seeing anything on the configuration side or quisk side that we're doing wrong. On the old laptop that i was able to recreate the problem on, the symptoms only appear when I am running out of CPU capacity. If quisk and pulse audio together stay below say 80%, everything is fine. When the digital mode is enabled, several things start happening... Quisk is now writing two streams of audio output and pulse audio starts to resample that digital output down to 8khz float-32 mono (fldigi's spec).

A couple of workarounds that may help short term.
-You can increase the "default-fragment-size-msec" to something like 80 in /etc/pulse/daemon.conf. This may keep pulse audio load lower, but it may not be enough to help.
-Instead of using digital-output to send samples to fldigi, try using the monitor stream of your normal sound output. This stream is already running, and aside from some differences in the filter shape, it works the same (and with lower latency).

Something still seems amiss why the latency continues to increase when we're reading all the samples that pulse audio has. The only thing I can figure, is that pulse audio is not able to move the samples from the sound card buffer to the application quickly enough for some reason. I'm not giving up on this problem though, but it may be a few days until I can do more testing on potential fixes.

Eric
km4dsj

On Mon, Nov 2, 2015 at 11:40 AM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> hello Eric and others,
>
> thanks for reply.
>
> According to your questions, I can add the following information:
>
> top shows the following after some hours running quisk
>
> 19228 hartje 20 0 944m 392m 17m R 33.6 35.1 405:07.30
> python

> 18837 hartje 9 -11 221m 15m 13m S 22.4 1.4 259:59.05
> pulseaudio
> 5162 hartje 20 0 354m 26m 6200 R 18.8 2.3 228:04.79
> pavucontrol
> 1389 root 20 0 66992 10m 5320 S 11.9 1.0 132:01.18
> Xorg
> 25156 hartje 20 0 329m 28m 7616 R 9.6 2.6 45:27.78
> fldigi
>
> uname -a
> Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35 UTC 2015
> i686 i686 i386 GNU/Linux
> it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)
>
> RELEASE=13
> CODENAME=maya
> EDITION="MATE 32-bit"
> DESCRIPTION="Linux Mint 13 Maya"
> DESKTOP=MATE
> TOOLKIT=GTK
>
> pulseaudio --version
> 1.1
>
> I built quisk "from source" with "make" (no parameters)
> Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43: int verbose =
> 2 ---> see results in the debuglog
> Rebuild was done: make (in the quisk-3.7.7-directory)
>
> The following was done with the debug log running qusik one time:
> 1. Start quisk (usbmode)
> 2. switch to DGT-U with running fldigi
> 3. switch to USB
> 4. close quisk
>
> find included the default.pa and daemon.conf
>
> hopefully that will bring us forward....
>
> Thanks to all for reading and thinking about this problem
>
> vy 73
> Michael
> DK5HH
>
>

1867. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-06 05:45:07 UTC
From: Eric Thornton
Topic: 1823 Message: 1867

Michael,

More digging into this issue revealed an improvement on my end that has fixed the increasing latency under my test conditions. Seems when pulse audio is heavily loaded, we were leaving samples on the RX device.

Try deleting line 516 of sound_pulseaudio.c and recompiling. The line in question is "read_frames = dev->read_frames".

Let me know if this works for you. If there are no side effects Jim can change it in the next release.

Thanks,

Eric

On Thu, Nov 5, 2015 at 9:58 PM, Eric Thornton ewthornton@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Michael,
>
> I've thoroughly looked over the logs and files and I'm not seeing anything
> on the configuration side or quisk side that we're doing wrong. On the old
> laptop that i was able to recreate the problem on, the symptoms only appear
> when I am running out of CPU capacity. If quisk and pulse audio together
> stay below say 80%, everything is fine. When the digital mode is enabled,
> several things start happening... Quisk is now writing two streams of
> audio output and pulse audio starts to resample that digital output down to
> 8khz float-32 mono (fldigi's spec).
>
> A couple of workarounds that may help short term.
> -You can increase the "default-fragment-size-msec" to something like 80 in
> /etc/pulse/daemon.conf. This may keep pulse audio load lower, but it may
> not be enough to help.
> -Instead of using digital-output to send samples to fldigi, try using the
> monitor stream of your normal sound output. This stream is already running,
> and aside from some differences in the filter shape, it works the same (and
> with lower latency).
>
> Something still seems amiss why the latency continues to increase when
> we're reading all the samples that pulse audio has. The only thing I can
> figure, is that pulse audio is not able to move the samples from the sound
> card buffer to the application quickly enough for some reason. I'm not
> giving up on this problem though, but it may be a few days until I can do
> more testing on potential fixes.

>
>
> Eric
> km4dsj
>
>
>
>
>
>
>
> On Mon, Nov 2, 2015 at 11:40 AM, michael.hartje@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> hello Eric and others,
>>
>> thanks for reply.
>>
>> According to your questions, I can add the following information:
>>
>> top shows the following after some hours running quisk
>>
>> 19228 hartje 20 0 944m 392m 17m R 33.6 35.1 405:07.30
>> python
>> 18837 hartje 9 -11 221m 15m 13m S 22.4 1.4 259:59.05
>> pulseaudio
>> 5162 hartje 20 0 354m 26m 6200 R 18.8 2.3 228:04.79
>> pavucontrol
>> 1389 root 20 0 66992 10m 5320 S 11.9 1.0 132:01.18
>> Xorg
>> 25156 hartje 20 0 329m 28m 7616 R 9.6 2.6 45:27.78
>> fldigi
>>
>> uname -a
>> Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35 UTC 2015
>> i686 i686 i386 GNU/Linux
>> it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)
>>
>> RELEASE=13
>> CODENAME=maya
>> EDITION="MATE 32-bit"
>> DESCRIPTION="Linux Mint 13 Maya"
>> DESKTOP=MATE
>> TOOLKIT=GTK
>>
>> pulseaudio --version
>> 1.1
>>

>> I built quisk "from source" with "make" (no parameters)
>> Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43: int verbose
>> = 2 ---> see results in the debuglog
>> Rebuild was done: make (in the quisk-3.7.7-directory)
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>> The following was done with the debug log running qusik one time:
>> 1. Start quisk (usbmode)
>> 2. switch to DGT-U with running fldigi
>> 3. switch to USB
>> 4. close quisk
>>
>> find included the default.pa and daemon.conf
>>
>> hopefully that will bring us forward....
>>
>> Thanks to all for reading and thinking about this problem
>>
>> vy 73
>> Michael
>> DK5HH
>>
>>
>
>

1868. favourites storage

Yahoo group: n2adr-sdr
Date: 2015-11-06 07:13:09 UTC
From: MIKE DURKIN
Topic: 1868 Message: 1868

Does any one have more than 38 entry’s showing up on the favourites tab?

I know that i have more now in the file .. but i'm not showing any more than 38 ...

1869. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-06 13:05:16 UTC
From: Sid Boyce
Topic: 1823 Message: 1869

I use this to set up pulseaudio for ghpsdr3-alex and use it as my
standard, don't know if it offers a solution.
http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
73 ... Sid.

On 06/11/15 05:45, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> Michael,
>
> More digging into this issue revealed an improvement on my end that
> has fixed the increasing latency under my test conditions. Seems when
> pulse audio is heavily loaded, we were leaving samples on the RX device.?
>
> Try deleting line 516 of sound_pulseaudio.c and recompiling. The line
> in question is "read_frames = dev->read_frames".
>
> Let me know if this works for you. If there are no side effects Jim
> can change it in the next release.
>
> Thanks,
>
> Eric
>
>
>
> On Thu, Nov 5, 2015 at 9:58 PM, Eric Thornton ewthornton@...
> <mailto:ewthornton@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
> Michael,
>
> I've thoroughly looked over the logs and files and I'm not seeing
> anything on the configuration side or quisk side that we're doing
> wrong. On the old laptop that i was able to recreate the problem
> on, the symptoms only appear when I am running out of CPU
> capacity.? If quisk and pulse audio together stay below say 80%,
> everything is fine. When the digital mode is enabled, several
> things start happening...? Quisk is now writing two streams of
> audio output and pulse audio starts to resample that digital
> output down to 8khz float-32 mono (fldigi's spec).
>
> A couple of workarounds that may help short term.
> -You can increase the "default-fragment-size-msec" to something
> like 80 in /etc/pulse/daemon.conf. This may keep pulse audio load
> lower, but it may not be enough to help.

> -Instead of using digital-output to send samples to fldigi, try
> using the monitor stream of your normal sound output. This stream
> is already running, and aside from some differences in the filter
> shape, it works the same (and with lower latency).
>
> Something still seems amiss why the latency continues to increase
> when we're reading all the samples that pulse audio has. The only
> thing I can figure, is that pulse audio is not able to move the
> samples from the sound card buffer to the application quickly
> enough for some reason. I'm not giving up on this problem though,
> but it may be a few days until I can do more testing on potential
> fixes.
>
>
> Eric
> km4dsj
>
>
>
>
>
>
>
> On Mon, Nov 2, 2015 at 11:40 AM, michael.hartje@...
> <mailto:michael.hartje@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
> hello Eric and others,
>
> thanks for reply.
>
> According to your questions, I can add the following information:
>
> top shows the following after some hours running quisk
>
> 19228 hartje? ? ? 20? ? 0? 944m 392m? 17m R 33.6 35.1
> 405:07.30 python? ? ? ? ? ? ? ? ? ? ? ?
> 18837 hartje? ? ? ? 9 -11? 221m? 15m? 13m S 22.4? 1.4
> 259:59.05 pulseaudio? ? ? ? ? ? ? ?
> ? 5162 hartje? ? ? 20? ? 0? 354m? 26m 6200 R 18.8? 2.3
> 228:04.79 pavucontrol? ? ? ? ? ? ?
> ? 1389 root? ? ? ? ? 20? ? 0 66992? 10m 5320 S 11.9? 1.0
> 132:01.18 Xorg? ? ? ? ? ? ? ? ? ? ? ? ? ?
> 25156 hartje? ? ? 20? ? 0? 329m? 28m 7616 R? 9.6? 2.6?
> 45:27.78 fldigi? ? ? ? ? ? ? ? ? ? ? ? ?
>
> uname -a
> Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35
> UTC 2015 i686 i686 i386 GNU/Linux

> it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)
>
> RELEASE=13
> CODENAME=maya
> EDITION="MATE 32-bit"
> DESCRIPTION="Linux Mint 13 Maya"
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>
> pulseaudio --version
> 1.1
>
> I built quisk "from source" with "make" (no parameters)
> Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43:
> int verbose = 2 ---> see results in the debuglog
> Rebuild was done: make (in the quisk-3.7.7-directory)
>
> The following was done with the debug log running qusik one time:
> 1. Start quisk (usbmode)
> 2. switch to DGT-U with running fldigi
> 3. switch to USB
> 4. close quisk
>
> find included the default.pa <http://default.pa> and daemon.conf
>
> hopefully that will bring us forward....
>
> Thanks to all for reading and thinking about this problem
>
> vy 73
> Michael
> DK5HH
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1870. Re: [n2adr-sdr] favourites storage

Yahoo group: n2adr-sdr
Date: 2015-11-06 13:16:33 UTC
From: Sid Boyce
Topic: 1868 Message: 1870

Gee Mike,
You continue to amaze me with what you can find and how you push
hardware and software to the limits.
Keep digging.

I don't think I'll live long enough to get to 20 favourites.
73 ... Sid.

On 06/11/15 07:13, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Does any one have more than 38 entry?s showing up on the favourites tab?
>
> I know that i have more now in the file .. but i'm not showing any
> more than 38 ...
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1871. Re: [n2adr-sdr] favourites storage

Yahoo group: n2adr-sdr
Date: 2015-11-06 13:36:22 UTC
From: <Patriot121@...>
Topic: 1868 Message: 1871

I just use em ....

I have 1.25m and 70cm & 23cm filters in hand .... hope to have the amps finished before it freezes. My radio room is the garage - not heated.

Sent by Outlook for Android

On Fri, Nov 6, 2015 at 5:16 AM -0800, "Sid Boyce g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
Gee Mike,
You continue to amaze me with what you can find and how you push
hardware and software to the limits.
Keep digging.

I don't think I'll live long enough to get to 20 favourites.
73 ... Sid.

On 06/11/15 07:13, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Does any one have more than 38 entry’s showing up on the favourites tab?
>
> I know that i have more now in the file .. but i'm not showing any
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--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

1872. Re: [n2adr-sdr] favourites storage

Yahoo group: n2adr-sdr
Date: 2015-11-06 16:45:12 UTC
From: Sid Boyce
Topic: 1868 Message: 1872

Good on you.

My radio/computer room is indoors and in most cases I have to turn the heat off to stop the PC's complaining.

I use the loft for storing unused gear and parts in preference to the garage, fearing corrosion. Not a problem with kit that is left powered on.
73 ... Sid.

On 06/11/15 13:36, Patriot121@... [n2adr-sdr] wrote:
>
> I just use em ....
>
> I have 1.25m and 70cm & 23cm filters in hand .... hope to have the
> amps finished before it freezes. My radio room is the garage - not heated.
>
> Sent by Outlook <http://taps.io/outlookmobile> for Android
>
>
>
>
> On Fri, Nov 6, 2015 at 5:16 AM -0800, "Sid Boyce
> g3vbv@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Gee Mike,
> You continue to amaze me with what you can find and how you push
> hardware and software to the limits.
> Keep digging.
>
> I don't think I'll live long enough to get to 20 favourites.
> 73 ... Sid.
>
> On 06/11/15 07:13, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
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> > Does any one have more than 38 entry’s showing up on the
> favourites tab?
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> > I know that i have more now in the file .. but i'm not showing any
> > more than 38 ...
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1873. RE: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-06 23:53:56 UTC
From: MIKE DURKIN
Topic: 1823 Message: 1873

seems to have no ill effect ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 6 Nov 2015 00:45:07 -0500
Subject: Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Michael,
More digging into this issue revealed an improvement on my end that has fixed the increasing latency under my test conditions. Seems when pulse audio is heavily loaded, we were leaving samples on the RX device.
Try deleting line 516 of sound_pulseaudio.c and recompiling. The line in question is "read_frames = dev->read_frames".
Let me know if this works for you. If there are no side effects Jim can change it in the next release.
Thanks,
Eric

On Thu, Nov 5, 2015 at 9:58 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Michael,
I've thoroughly looked over the logs and files and I'm not seeing anything on the configuration side or quisk side that we're doing wrong. On the old laptop that i was able to recreate the problem on, the symptoms only appear when I am running out of CPU capacity. If quisk and pulse audio together stay below say 80%, everything is fine. When the digital mode is enabled, several things start happening... Quisk is now writing two streams of audio output and pulse audio starts to resample that digital output down to 8khz float-32 mono (fldigi's spec).
A couple of workarounds that may help short term.-You can increase the "default-fragment-size-msec" to something like 80 in /etc/pulse/daemon.conf. This may keep pulse audio load lower, but it may not be enough to help.-Instead of using digital-output to send samples to fldigi, try using the monitor stream of your normal sound output. This stream is already running, and aside from some differences in the filter shape, it works the same (and with lower latency).
Something still seems amiss why the latency continues to increase when we're reading all the samples that pulse audio has. The only thing I can figure, is that pulse audio is not able to move the samples from the sound card buffer to the application quickly enough for some reason. I'm not giving up on this problem though, but it may be a few days until I can do more testing on potential fixes.

Erickm4dsj

On Mon, Nov 2, 2015 at 11:40 AM, michael.hartje@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

hello Eric and others,

thanks for reply.

According to your questions, I can add the following information:

top shows the following after some hours running quisk

19228 hartje 20 0 944m 392m 17m R 33.6 35.1 405:07.30 python
18837 hartje 9 -11 221m 15m 13m S 22.4 1.4 259:59.05 pulseaudio
5162 hartje 20 0 354m 26m 6200 R 18.8 2.3 228:04.79 pavucontrol
1389 root 20 0 66992 10m 5320 S 11.9 1.0 132:01.18 Xorg
25156 hartje 20 0 329m 28m 7616 R 9.6 2.6 45:27.78 fldigi

uname -a
Linux X300 3.2.0-88-generic #126-Ubuntu SMP Mon Jul 6 21:35:35 UTC 2015 i686 i686 i386 GNU/Linux
it is linux Mint on a Dell X300 Laptop (1.1 GB Ram)

RELEASE=13
CODENAME=maya
EDITION="MATE 32-bit"
DESCRIPTION="Linux Mint 13 Maya"
DESKTOP=MATE
TOOLKIT=GTK

pulseaudio --version
1.1

I built quisk "from source" with "make" (no parameters)
Rebuild of quisk-3.7.7 with sound_pulseaudio.c with line 43: int verbose = 2 ---> see results in the debuglog
Rebuild was done: make (in the quisk-3.7.7-directory)

The following was done with the debug log running qusik one time:
1. Start quisk (usbmode)
2. switch to DGT-U with running fldigi
3. switch to USB
4. close quisk

find included the default.pa and daemon.conf

hopefully that will bring us forward....

Thanks to all for reading and thinking about this problem

vy 73
Michael
DK5HH

1874. [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-07 01:58:59 UTC
From: Gena Pechen
Topic: 1681 Message: 1874
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1875. Re: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-09 12:42:10 UTC
From: dh5ym@...
Topic: 1681 Message: 1875

I completely agree. Last weekend i participated in the MMC VHF and did 250 QSO with the Hiqsdr and a ME2HTPro transverter using a 2 antenna system. I had a local CW skimmer which gave me spots of what i hear in the current direction (or the omni antenna) into the log. With the 2nd receiver i was able to listen to the frequency given by the cwskimmer in between the CW loops. If the station was heard, stop the cq loop, switch to "rev", do the qso, switch back and start the loop again. Really cool.

The only feature that i would have in mind is the following: It would be good if the tune control commands via Hamlib can be rerouted to the 2nd receiver in case Quisk is in split mode. (so tuning the "green" receiver instead the "red" one) That would enable to select the frequency directly from the spot in the log software despite manual tuning without interfering with the TX frequency.

73
Mario

1876. Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-09 20:58:25 UTC
From: peter@...
Topic: 1876 Message: 1876

I've designed a 3 band VHF transceiver, using HiQSDR and Quisk as panadapter on 10.7 MHz. The 10.7 MHz bandwidth is limited to 300 kHz (using Ceramic filters) in order to obtain the best possible dynamic range of the ADC. My intention is to use this transceiver eventually at my remote location, 20 km from where I live: hence using internet. (I presently run my - old - home tranceiver this way, but only audio and control signals need to be transfered). To exchange data to and from a remote location may be done via internet when the available bandwidth is high (> 10 Mbps) and I suppose the ethernet cable between the HiQSDR and Quisk PC (an ODROID U3) could be severed and linked across internet in some way. I one has Bandwidth... In my case I have 1....4 Mbps at best!
So what options are available, if it is possible at all? The first thing that jumped to my mind was:
- "Can the IP (UDP) data be compressed/de-compressed, saving some bandwidth?"
- Alternatively; Would it be possible to send Clever (graphical) data from the ODROID U3 (@ remote) to the Local (controlling) destination? (Delta only?)
- Better still: Someone already has a solution! :-)

Of course, reducing the SDR graphical bandwidth reduces the IP data between the HiQSDR and the ODROID, but I'd have to go to 48 kHz to squeeze it into the available Internet bandwidth that is available.

Any ideas how to tackle this?

73s,

Peter, PA3BIY

1877. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-09 23:04:03 UTC
From: Sid Boyce
Topic: 1876 Message: 1877

Hi Peter,
There is ghpsdr3-alex http://napan.ca/ghpsdr3/index.php/Main_Page

It needs qt5, you can follow the ODROID section if you decide to build qt5 but qt-52.1 packages are available from the repo for Ubuntu 14.04. Follow the Wiki for building ghpsdr3-alex and configuring pulseaudio, etc.

I run hiqsdr-server and dspserver on the ODROID-U3, also QtRadio on the -U3 or another PC/laptop on the LAN or across the internet from anywhere.

3 components of ghpsdr3-alex are needed for HiQSDR.
First "hiqsdr-server -s 96000 -i 192.168.2.196" or whatever the IP address is. This talks to the HiQSDR.

When you first start the second component "dspserver" to put it on the internet you get a series of commands you must execute. The commands set up files in the current directory. If you launch dspserver from any other directory you have to repeat those commands as it informs you, then restart dspserver. It would be nice if it stored the files always in ~/.

```
------------ CUT ------------
#!/bin/sh
while [1]
do
dspserver --share --lo 0 --nocorrectiq
sleep 5
done
---------- CUT ---
```

The above script keeps dspserver from dying, an old error for which no fix was ever found.

Across the LAN, locally on the ODROID or across the internet QtRadio on a PC or glSDR from google play and you have control.

On the internet it's accessible to anyone using QtRadio or glSDR on an Android phone or tablet.

First connection is master but you can assert Master from those apps if anyone gets on first and is Master. Master can tune, Slaves can only listen to what Master is tuning to.
TX is by ID/password you have to set in ~/dspserver.conf and Server/password in your apps.
I once didn't set them in ~/dspserver.conf for Hermes, when the guy clicked MOX I could hear the RX/TX relay clicking, luckily I did not have the PA powered up so no RF was going out.

Example ~/dspserver.conf

```
# Simple config file for ghpsdr3's dspserver.
# default file is located at ~/dspserver.conf when dsp server is started
with --share
# The information below will be supplied to a web database which will
aid QtRadio
# users find active dspservers to connect to. You may also see the
current list at
# http://napan.ca/qtradio/qtradio.pl
# valid fields are call, location, band, rig and ant
# lines must end with ; and any characters after a # is a comment and
ignored
# field values must be enclosed with " ie: "xxxx"
# This default file will be created if dspserver is started with the
--share option and ~/dspserver.cfg does not exist
# You may also start dspserver with an alternate config file by starting
dspserver with --shareconfig /home/alternate_filename.conf
# Note field names are all lowercase!

call = "G3VBV";
location = "Halesowen, IO82XL";
band = "160M - 6M";
rig = "HiQSDR+Preselector+10W PA";
ant = "Lightning Bolt Quad";
share = "yes"; # Can be yes, no
lookupcountry = "yes"; # Can be yes, no

#### Following are new TX options #####

tx = "password"; #Can be: no, yes, password

#ve9gj = "secretpassword"; #add users/passwords one per line (Remove
leading # ! max 20 characters each
g3vbv = "blx23yn";

groupnames = ["txrules1"]; #add group or rulesset names in ["name1",
"name2"]; format (max 20 characters each

# Add user names in ["call1", "call2"]; format to list members for each
groupname above with an suffix of "_members"
txrules1_members = ["g3vbv"];

# Rule sets are defined as group or rulesset name =( ("mode", StartFreq
in Mhz, End Freq in Mhz),("mode", StartFreq in Mhz, End Freq in Mhz) );
# Valid modes are * SSB, CW, AM, DIG, FM, DRM ,SAM, SPEC Where * means
any mode is OK
# The two rules below allow any mode on 20M and CW only on the bottom
100Khz of 80M
# You can make as many rules and rulesets as you wish. The first
matching rule will allow TX
```

```
txrules1 = (
("*",1.800,2.000),
("*",3.600,3.800),
("*",7.000,7.200),
("*",10.100,10.120),
("*",14.050,14.350),
("*",18.100,18.170),
("*",21.100,21.450),
("*",28.100,28.970),
("*",50.000,55.750)
);
```

You can if you so desire, give TX access to another callsign in txrules1_members and setting an ID and password for that user.

Your router needs at least port 8000 open to where dspserver is running. I open 10 ports, 8000:8004 and 9000:9004 to the IP address of the -U3.

There are Youtube videos showing glSDR and QtRadio.
73 ... Sid.

On 09/11/15 20:58, peter@... [n2adr-sdr] wrote:
>
> I've designed a 3 band VHF transceiver, using HiQSDR and Quisk as
> panadapter on 10.7 MHz. The 10.7 MHz bandwidth is limited to 300 kHz
> (using Ceramic filters) in order to obtain the best possible dynamic
> range of the ADC. My intention is to use this transceiver eventually
> at my remote location, 20 km from where I live: hence using internet.
> (I presently run my - old - home tranceiver this way, but only audio
> and control signals need to be transfered).
>
> To exchange data to and from a remote location may be done via
> internet when the available bandwidth is high (> 10 Mbps) and I
> suppose the ethernet cable between the HiQSDR and Quisk PC (an ODROID
> U3) could be severed and linked across internet in some way. I one has
> Bandwidth... In my case I have 1....4 Mbps at best!
>
> So what options are available, if it is possible at all? The first
> thing that jumped to my mind was:
>
> - "Can the IP (UDP) data be compressed/de-compressed, saving some
> bandwidth?"
>
> - Alternatively; Would it be possible to send Clever (graphical) data
> from the ODROID U3 (@ remote) to the Local (controlling) destination?
> (Delta only?)
>
> - Better still: Someone already has a solution! :-)
>
>
> Of course, reducing the SDR graphical bandwidth reduces the IP data
> between the HiQSDR and the ODROID, but I'd have to go to 48 kHz to

> squeeze it into the available Internet bandwidth that is available.
>
>
> Any ideas how to tackle this?
>
>
> 73s,
>
>
> Peter, PA3BIY
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1878. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-10 06:33:02 UTC
From: peter@...
Topic: 1876 Message: 1878

Hi Sid,

You ARE the expert when it comes to SDR, hi! Many thanks for the extensive answer, I'll dive into it tonight when I get back from QRL. BTW, the designed VHF transceiver is only operational from a large alu plate to hold all the PCB and there are still many things to be done before it is ready to be transported to my remote location. However, that was the reason I want to know now what are my options. Your suggestion sounds very viable!

Best 73s,

Peter

1879. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-10 07:32:59 UTC
From: Sid Boyce
Topic: 1876 Message: 1879

Hi Peter,
SDR has been a labour of love ever since I first discovered Softrock.

I have long written documentation for colleagues along the lines of what to type in rather than shroud it all in tech-speak that sends them off on a hunt in order to complete the task.

OK on the VHF transceiver, obviously a design and test effort before putting it into a nice case straight off only to discover major mods still need to be done.

ghpsdr3-alex is a great solution, it allowed me to demo operation of my HiQSDR using my Android phone from London.
One minor problem, some guys will connect as Master and lock out slaves by sitting it on an AM broadcast station, on an unoccupied frequency or inputting VHF/UHF frequencies when the station description says 160m - 10m and an HF antenna. Could do with a timeout feature.
Of course it is an inconvience to other users who would like to connect and tune the ham bands, no problem for the owner who simply can kick them off by pressing Master.

BTW I replaced the BGA616 on the HiQSDR by putting it on a small piece of PCB with wires to the board as there are signs the board is burnt and the track from the output was lifted. I still need to test for RF output.
73 ... Sid.

On 10/11/15 06:33, peter@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> You ARE the expert when it comes to SDR, hi! Many thanks for the
> extensive answer, I'll dive into it tonight when I get back from QRL.
> BTW, the designed VHF transceiver is only operational from a large alu
> plate to hold all the PCB and there are still many things to be done
> before it is ready to be transported to my remote location. However,
> that was the reason I want to know now what are my options. Your
> suggestion sounds very viable!
>
> Best 73s,
>
> Peter
>

--
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1880. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-11 21:05:47 UTC
From: peter@...
Topic: 1876 Message: 1880

Hi Sid,

I've ran some tests with QT5, but it's not what I'm looking for. Quisk provides the functionality I am looking for, at least as an IF for the 3-band VHF transceiver that I designed. Hence I'm looking for a method to transport crucial info (ie: the 300 kHz bandwidth graphical and/or waterfall display) to my home site. Next to that audio (obviously!) info must be transported, although that's not such a huge task. Contrary to many web SDRs, I like to add a tuning knob functionality, like I've done with my present remote control transceiver. Perhaps I'm a bit out of tune with the rest of the web sdr world, as I look for a specific solution in order to reach out to my remote location, but still like to have the "touch and feel" of a desk top transceiver.
Hence, I look for a dedicated solution which may not be invented yet... This solution could be some powerful data compression technique, or smarter: a way to transport the graphical data in a compressed form, and dispaly it again on a TFT locally. My present remote station works without the aid of PCs (although computing power is incorporated in the remote and local units, obviously!).

Perhaps I need to start digging myself into the Quisk (Python) code, and find a way to extract and compress the graphical data, but if you have any suggestions (or anyone else!), those would be greatly appreciated (as I am a newbie in Python).

73s,

Peter

1881. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-12 02:20:59 UTC
From: Sid Boyce
Topic: 1876 Message: 1881

OK Peter,
One feature that's in QtRadio I would like to see in quisk is support
for the Griffin Powermate. It's used as a tuning know and volume control.

The driver is already in the kernel.
73 ... Sid.

On 11/11/15 21:05, peter@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> I've ran some tests with QT5, but it's not what I'm looking for. Quisk
> provides the functionality I am looking for, at least as an IF for the
> 3-band VHF transceiver that I designed. Hence I'm looking for a method
> to transport crucial info (ie: the 300 kHz bandwidth graphical and/or
> waterfall display) to my home site. Next to that audio (obviously!)
> info must be transported, although that's not such a huge task.
> Contrary to many web SDRs, I like to add a tuning knob functionality,
> like I've done with my present remote control transceiver. Perhaps I'm
> a bit out of tune with the rest of the web sdr world, as I look for a
> specific solution in order to reach out to my remote location, but
> still like to have the "touch and feel" of a desk top transceiver.
> Hence, I look for a dedicated solution which may not be invented
> yet... This solution could be some powerful data compression
> technique, or smarter: a way to transport the graphical data in a
> compressed form, and dispaly it again on a TFT locally. My present
> remote station works without the aid of PCs (although computing power
> is incorporated in the remote and local units, obviously!).
>
> Perhaps I need to start digging myself into the Quisk (Python) code,
> and find a way to extract and compress the graphical data, but if you
> have any suggestions (or anyone else!), those would be greatly
> appreciated (as I am a newbie in Python).
>
> 73s,
>
> Peter
>

--
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

1882. Re: [n2adr-sdr] Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-12 03:22:33 UTC
From: Sid Boyce
Topic: 1876 Message: 1882

know should be knob.
73 ... Sid.

On 12/11/15 02:20, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> OK Peter,
> One feature that's in QtRadio I would like to see in quisk is support
> for the Griffin Powermate. It's used as a tuning know and volume control.
>
> The driver is already in the kernel.
> 73 ... Sid.
>
> On 11/11/15 21:05, peter@... [n2adr-sdr] wrote:
>> Hi Sid,
>>
>>
>> I've ran some tests with QT5, but it's not what I'm looking for. Quisk
>> provides the functionality I am looking for, at least as an IF for the
>> 3-band VHF transceiver that I designed. Hence I'm looking for a method
>> to transport crucial info (ie: the 300 kHz bandwidth graphical and/or
>> waterfall display) to my home site. Next to that audio (obviously!)
>> info must be transported, although that's not such a huge task.
>> Contrary to many web SDRs, I like to add a tuning knob functionality,
>> like I've done with my present remote control transceiver. Perhaps I'm
>> a bit out of tune with the rest of the web sdr world, as I look for a
>> specific solution in order to reach out to my remote location, but
>> still like to have the "touch and feel" of a desk top transceiver.
>> Hence, I look for a dedicated solution which may not be invented
>> yet... This solution could be some powerful data compression
>> technique, or smarter: a way to transport the graphical data in a
>> compressed form, and dispaly it again on a TFT locally. My present
>> remote station works without the aid of PCs (although computing power
>> is incorporated in the remote and local units, obviously!).
>>
>> Perhaps I need to start digging myself into the Quisk (Python) code,
>> and find a way to extract and compress the graphical data, but if you
>> have any suggestions (or anyone else!), those would be greatly
>> appreciated (as I am a newbie in Python).
>>
>> 73s,
>>
>> Peter
>>
>

--
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1883. Re: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-12 18:26:37 UTC
From: jahlstr@...
Topic: 1681 Message: 1883

Hello Mario,

I put in an option to route Hamlib tuning commands to the second (green line) receiver. But I find Hamlib confusing, and I have no way to test this. So please give it a try when the next release comes out.

Jim
N2ADR

1884. digital mode, multiple instances, different hardware

Yahoo group: n2adr-sdr
Date: 2015-11-13 12:24:38 UTC
From: la3jj@...
Topic: 1884 Message: 1884

Hi all, I have had some fun with latest quisk modifying it for my use with digital modes. I have made it play well with wsjt-x and wspr thanks to previous answers from you fellows. No there are some matters I would like to solve, I know this is very simple for you, and that is why I ask first in stead of going right into experiments.

I have got several SDR's lFiFi SDR, Softrocks of different models, FCDP+. I would like to be able to select which one of them I have connected when starting the Quisk. That means that there will be different config files to select. I think I have seen this done somewhere but cant remember. (I'm 72, yes)

I am also hoping to be able to run several instances of Quisk on the same computer with different hardware and multi instances of the wsjt-x software. Now I am using localhost:4575, so I guess I could set the different instances up with 4576 4577 etc ?

Some short comments on this from one ore more of you will take me faster to good results.

In advance, thank you!

73
LA3JJ, Jon Ove

1885. Re: digital mode, multiple instances, different hardware

Yahoo group: n2adr-sdr
Date: 2015-11-13 14:07:02 UTC
From: jahlstr@...
Topic: 1884 Message: 1885

>I have got several SDR's lFiFi SDR, Softrocks of different models, FCDP+. I would like to be able to select which one of them I have connected when starting the Quisk.

There will soon be a new feature to handle this. For now you need to have multiple config files that you start like this:

```
python quisk.py -c config1.py
python quisk.py -c config2.py
```

Jim
N2ADR

1886. Re: [n2adr-sdr] split in quisk

Yahoo group: n2adr-sdr
Date: 2015-11-16 09:31:25 UTC
From: dh5ym@...
Topic: 1681 Message: 1886

Hi,

as i told i used my Quisk/HiQSDR during the Marconi VHF CW contest. It was working really great. I wrote a short report here:

Rauschfunk | Rauschfunk – Mario, DH5YM's Blog http://dh5ym.hopto.org/wiki

http://dh5ym.hopto.org/wiki

Rauschfunk | Rauschfunk – Mario, DH5YM's Blog http://dh5ym.hopto.org/wiki Last weekend i was able to participate in the Marconi Memorial VHF Contest.

View on dh5ym.hopto.org http://dh5ym.hopto.org/wiki
Preview by Yahoo

73
Mario

1887. Re: Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-17 06:13:37 UTC
From: pascal@...
Topic: 1876 Message: 1887

Hi,
I often used ghpsdr3-Alex in these last years, with a remote softrock SDR through a good wifi link between my 2 locations - Sometimes, through internet also, but this mode is not allowed in France. The quality of the audio (RX & TX) was pretty good.
With the Hermes-lite hardware, using the same wifi link , RX was not possible, the bandwith between the client and the HL server seems to be to big for my wifi link. Also, tested on the local LAN network, the audio report was not good on the air, like if there was no control level of the audio in the HL server part.
I now use only quisk with the wonderfull HL hardware project.

Best 73

1888. RE: [n2adr-sdr] Re: Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-17 06:32:33 UTC
From: MIKE DURKIN
Topic: 1876 Message: 1888

Hello Pascal ... funny you said that ..

iv stopped using ghpsdr3-alex simply because there was some audio level bug with Tx and never could demodulate FM over the nextwork ....

Now has been mostly just Quisk .... HF & VHF ... just got some nice looking BPF for 2M 1.25M and 70cm im looking forward to putting on a spectrum analyser and verify the specs !!!

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Mon, 16 Nov 2015 22:13:37 -0800
Subject: [n2adr-sdr] Re: Remote control (across internet) of HiQSDR with Quisk

Hi,

I often used ghpsdr3-Alex in these last years, with a remote softrock SDR through a good wifi link between my 2 locations - Sometimes, through internet also, but this mode is not allowed in France. The quality of the audio (RX & TX) was pretty good.With the Hermes-lite hardware, using the same wifi link , RX was not possible, the bandwith between the client and the HL server seems to be to big for my wifi link. Also, tested on the local LAN network, the audio report was not good on the air, like if there was no control level of the audio in the HL server part.I now use only quisk with the wonderfull HL hardware project.
Best 73

1889. RE: [n2adr-sdr] Re: Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-17 07:07:36 UTC
From: peter@...
Topic: 1876 Message: 1889

Hi Sid, Pascal and Mike,

Thanks for your replies regarding remote control of an SDR. Thinking about it over the past few days, my conclusion is that Quisk seems to offer a good solution as it is, althogugh some (ethernet)bandwidth reduction may be possible using IP compression techniques like LZ4, LZO, etc. Reduction of bandwidth would make it easier to get internet access.
As I need to transfer a lot more data (Frequency, PA, ROTOR control, etc.) I'll have to write software anyway. Programming an ODROID will be a new challenge!

73s,

Peter, PA3BIY

1890. RE: [n2adr-sdr] Re: Remote control (across internet) of HiQSDR with Quisk

Yahoo group: n2adr-sdr
Date: 2015-11-17 08:26:23 UTC
From: dh5ym@...
Topic: 1876 Message: 1890

Hi Peter,

i would be interested in your solution wrt Rotor. Recently i saw some solution controlling a rotor connected to hamlib via a browser. Just do not rememeber who was the author. For PA forward/reflection measurements there was some discussion few months ago. I think a AVR-NetIO was used there. I assume its also possible to use a Odroid for that task. For CW keying the Odroid is useful anyway.

I wonder if its feasible to implement a dedicated interface between the signal processing part of Quisk and the GUI part so that the GUI can run on a different machine than the signal processing core like its done in ghpsdr3. The alternative could be to have a local copy of Quisk that attaches and controls a remote copy of Quisk like DL2STG does with his Qsdr software.
You could also try to run Quisk on the remote machine just by forwarding the display of this machine in some compressed format. Forwarding audio should be feasible too. I never tried that and teh whaterfall might react slow.

regards
Mario, DH5YM

1891. RE: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-18 23:02:34 UTC
From: michael.hartje@...
Topic: 1823 Message: 1891

hello Eric, Mike and others on the list,

It took a few days before I had the time to check out Eric's proposal. (comment line 516 in sound_pulseaudio.c)

I tried it and in deed, it results in a better continuous streaming of the audio.

The most important step was to switch off the "open" pavucontrol -- this helps a lot.

Eric mentioned as well, that unbuntu pulseaudio has now a version 4+. -- with my old linux mint 13 it was version 1.x .

The last days I upgraded my old laptop to linux mint 17.1 (ubuntu trusty) and now stuttering disapeers under my circumstances (48 kHz), old laptop. Pulseaudio version is now 4.+

With 48 kHz sample rate "top" shows the cpu load:
quisk: 60%, pulseaudio: 16%, wsjtx(in wspr-mode) 5-7% and parallel fldigi also a few %

I made some experiments with the pulseaudio daemon.conf and found out:
the default-sample-rate is best set to the same sample rate used by the IQ-radio-sound card. Though no sample rate conversions are needed. This lowers the cpu load to the above reported values.

When I use a computer with more cpu-power, there was no stuttering.

But increasing the sample rate to 96 kHz didi not work for me with the old laptop and all software on it. -- this results in pauses in audio stream. (may be I did not made enough experiments with the parameters of daemon.conf.

But my solution was a remote application:

Softrock--compu1-- lan --compu2 -- quisk

The softrock could be driven as a remote TRX and pulseaudio transfers the IQ-samples to a remote controler (compu1). The quisk is used at any place in the LAN (compu2). -- This is a possible use of 96 kHz IQ-signals. The cpu load for the softrock computer (compu1) is quiet low and no stuttering appeers with a more powerful desktop/laptop as a quisk-computer (compu2)

@ Eric: you hint "comment out line 516 in sound_pulseaudio.c" was helpful; it reduces the increasing latency and results in less stuttering.

To finish this thread: Thanks to Eric, and thanks to others who came up with helpful discussion.

vy73
Michael
DK5HH

1892. Re: [n2adr-sdr] audio latency with digital modes - stuttering audio

Yahoo group: n2adr-sdr
Date: 2015-11-19 01:18:53 UTC
From: Sid Boyce
Topic: 1823 Message: 1892

pulseaudio version 1 had many problems, anything version 2 and later has
been OK.
Ubuntu 14.04 is at version 4.0, Ubuntu 15.10 is at version 6.0,
openSUSE version 7.1.

My pulseaudio settings are optimized for ghpsdr3-alex and hold good for
all apps including quisk on Raspberry PiB & Pi2, ODROID-C1 & -U3 and x86_64.
http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
73 ... Sid.

On 18/11/15 23:02, michael.hartje@... [n2adr-sdr] wrote:
>
> hello Eric, Mike and others on the list,
>
> It took a few days before I had the time to check out Eric's proposal.
> (comment line 516 in sound_pulseaudio.c)
>
> I tried it and in deed, it results in a better continuous streaming of
> the audio.
>
> The most important step was to switch off the "open" pavucontrol --
> this helps a lot.
>
> Eric mentioned as well, that unbuntu pulseaudio has now a version 4+.
> -- with my old linux mint 13 it was version 1.x .
>
> The last days I upgraded my old laptop to linux mint 17.1 (ubuntu
> trusty) and now stuttering disapeers under my circumstances (48 kHz),
> old laptop. Pulseaudio version is now 4.+
>
> With 48 kHz sample rate "top" shows the cpu load:
> quisk: 60%, pulseaudio: 16%, wsjtx(in wspr-mode) 5-7% and parallel
> fldigi also a few %
>
> I made some experiments with the pulseaudio daemon.conf and found out:
> the default-sample-rate is best set to the same sample rate used by
> the IQ-radio-sound card. Though no sample rate conversions are needed.
> This lowers the cpu load to the above reported values.
>
> When I use a computer with more cpu-power, there was no stuttering.
>
> But increasing the sample rate to 96 kHz didi not work for me with the
> old laptop and all software on it. -- this results in pauses in audio
> stream. (may be I did not made enough experiments with the parameters
> of daemon.conf.

>
> But my solution was a remote application:
>
> Softrock--compu1-- lan --compu2 -- quisk
>
> The softrock could be driven as a remote TRX and pulseaudio transfers
> the IQ-samples to a remote controler (compu1). The quisk is used at
> any place in the LAN (compu2). -- This is a possible use of 96 kHz
> IQ-signals. The cpu load for the softrock computer (compu1) is quiet
> low and no stuttering appeers with a more powerful desktop/laptop as a
> quisk-computer (compu2)
>
> @ Eric: you hint "comment out line 516 in sound_pulseaudio.c" was
> helpful; it reduces the increasing latency and results in less stuttering.
>
> To finish this thread: Thanks to Eric, and thanks to others who came
> up with helpful discussion.
>
> vy73
> Michael
> DK5HH
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1893. Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-20 20:28:16 UTC
From: jahlstr@...
Topic: 1893 Message: 1893

This is a major new release of Quisk. Comments, suggestions and bug reports are welcome. There is a lot of new code here, but remember that the prior version is still on my web page.

Quisk now has two new screen layouts. The "large screen" layout is the default, and is designed for PCs. It uses the full screen width in order to show as wide a graph as possible, and to make mouse tuning easy. The new layout "small screen" is designed for small screens such as touch screens used for single-board computers. But "small screen" can also be used by those with sight impairment, or by those who run Quisk at narrow widths on a PC. It has more button rows; and the band, mode and screen select buttons are hidden behind three master buttons. To select the band, for example, you press the band master button, and a list of bands pops up; then select the band. Press the Help button to read the new help file. Set button_layout = "Small screen" in your config file; but see below.

If you have written your own quisk_widgets.py file to add custom widgets to the bottom of your screen, you will need to change this file to accommodate both layouts. See n2adr/quisk_widgets.py and hermes/quisk_widgets.py for examples.

Quisk now has configuration screens to display and edit its settings. For most users, this makes config files obsolete. Press the Config button and see the additional tabs, and be sure to read the config help tab. Furthermore, Quisk can save different settings for different radios. For example, you can have a block of settings named HiQSDR and a separate block named SoftRock. When Quisk starts, it can ask which radio you want to use. This feature should appeal to those who have trouble dealing with config files, and to advanced users with multiple radios.

If you do nothing, Quisk operates as before, and the settings feature does nothing. You have to turn it on by making a named block of settings; a "radio". If you make some changes that cause Quisk to fail to start, just start Quisk with the "-a" or "--ask" option, and specify "ConfigFileRadio" as the startup radio. The "ConfigFileRadio" is the radio as specified in the config file, and no internal settings are used. This should not happen, but the code is very new, and I expect that it needs more work.

The settings screens take the place of config files, although config files can still be used. After editing settings, it is necessary to restart Quisk to make the settings happen. Press the "Restart" button. Some changes will always require a restart, such as the button layout. But I expect to make many settings happen instantly without a restart.

Jim

N2ADR

1894. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-20 21:24:48 UTC
From: gvjury@...
Topic: 1893 Message: 1894

Hi Jim,

Many thanks for the new version with all the great features, you have been a busy lad. I am going through the installation and will record any issues as I come to them so there may be several posts over the next few hours or maybe none :-)

First issue is the help files are flagged as executable, I assume to read them from within Quisk but I have not got there yet. Simply double clicking the file from a file manager won't open them like ver 3.7.8, users will need to explicitly need to put in the path in the web browser "file:///home/gvj/Programs/quisk/docs.html" in my case.

Quisk compiles and runs on the old settings without issues. Look for the neat little sliders beside the IMD etc. buttons guys. I note that the agc slider is a little bit narrow Jim and is just starting to trim the level value.

Off to explore further, Again thanks for this Jim, you have gioven me so many hours of pleasure.

73, Graeme zl2apv

1895. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 01:13:34 UTC
From: gvjury@...
Topic: 1893 Message: 1895

Hi Jim,

A further update on installation testing

Audio output seems much less than previous version.
CW sidetone level disproportionately high compared to AF out

Get a startup error as follows ...
Exception in thread Thread-2:
Traceback (most recent call last):
File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
self.run()
File "./dxcluster.py", line 91, in run
self.telnetConnect()
File "./dxcluster.py", line 111, in telnetConnect
self.tn.write(conf.user_call_sign + "\n")
File "/usr/lib/python2.7/telnetlib.py", line 279, in write
if IAC in buffer:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xff in position 0: ordinal not in range(128)

In Config/Radios "Restart Quisk" remains greyed out even after editing options in my current radio file or creating a new one and I need to exit and reload Quisk to get changes (like changing split mode audio etc.)

Just a heads up at this stage but using pulse (not tried yet on alsa), when recording audio on a QSO, the playback to the other station is garbled and distorted on ver 3.7.8 and appears to be the same on this version too. Will follow up when I test the alsa sound.

73, Graeme zl2apv

1896. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 01:21:34 UTC
From: gvjury@...
Topic: 1893 Message: 1896

Sorry Jim, I missed the line in your Help with Radios which said "If PulseAudio is running, you must exit and restart Quisk yourself." I might do more of this, please be patient.

73, Graeme zl2apv

1897. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 17:01:18 UTC
From: Sid Boyce
Topic: 1893 Message: 1897

Only tried it on the ODROID-U3 with Hermes-Lite.

Audio needed the volume adjusting using pavucontrol.

Apart from the usual alsa and bt_audio stdout messages (noise), no errors.

Started with "python quisk.py" AOK.

Config --> Radios
When Quisk started with the radio --- ConfigFileRadio

I have a second Hermes-Lite I added.
Both with addresses via DHCP 192.168.10.229 and 192.168.10.227.
"Add a new radio with general type --- Hermes v and a name the new
radio MyRadio Add"

Set the IP address of MyRadio to 192.168.10.227, both to use the same
pulseaudio devices.
Killed and started up "python quisk.py", chose MyRadio.

It comes up with ConfigFileRadio tab missing, replaced by MyRadio with
the original IP address of 192.168.10.229 instead of the 192.168.10.227
I set when I added the other Hermes-Lite.

I tried again adding Hermes named HL227. It appears in the Config tab.
Under Radios I have "Ask me" and HL227 appears on the Delete line.

Restart Quisk is greyed out, killing and starting quisk, selected HL227.

MyRadio and HL227 are there but no IP address for HL227.

quisk always starts with the the IP address of MyRadio although HL227 is
selected.
73 ... Sid.

On 21/11/15 01:13, gvjury@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
> A further update on installation testing
>
> Audio output seems much less than previous version.
> CW sidetone level disproportionately high compared to AF out
>
> Get a startup error as follows ...
> Exception in thread Thread-2:
> Traceback (most recent call last):
> File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner

> self.run()
> File "./dxcluster.py", line 91, in run
> self.telnetConnect()
> File "./dxcluster.py", line 111, in telnetConnect
> self.tn.write(conf.user_call_sign + "\n")
> File "/usr/lib/python2.7/telnetlib.py", line 279, in write
> if IAC in buffer:
> UnicodeDecodeError: 'ascii' codec can't decode byte 0xff in position
> 0: ordinal not in range(128)
>
> In Config/Radios "Restart Quisk" remains greyed out even after editing
> options in my current radio file or creating a new one and I need to
> exit and reload Quisk to get changes (like changing split mode audio etc.)
>
> Just a heads up at this stage but using pulse (not tried yet on alsa),
> when recording audio on a QSO, the playback to the other station is
> garbled and distorted on ver 3.7.8 and appears to be the same on this
> version too. Will follow up when I test the alsa sound.
>
> 73, Graeme zl2apv
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1898. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 17:04:00 UTC
From: g0izm@...
Topic: 1893 Message: 1898

I'm seeing something strange: when I start this version I get a burst of received audio that fades to silence over the period of a second or two. After that it stays quiet as if it's been muted (which it hasn't).

Pulseaudio settings look OK & I've made no changes to the config file or altered any configuration settings.

Any ideas?

73 Ian

1899. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 20:41:22 UTC
From: gvjury@...
Topic: 1893 Message: 1899

Hi Jim,

Just to summarize and add a couple of others ...

1. Using pulse the audio levels are very low and needed to be set with pavucontrol to maximum for a comfortable listening level. Of course everything else on the machine is too loud.

2. The config file copies over to another file and I have tested and made several copies with different names and deleted them with 2 problems ...
2a. The DX cluster does not work from any of them with the error on loading I posted in my previous message. I made 2 renamed copies of my config file and checking in the quisk_settings.json file for all instances of dxCl every one matched the config ones with the last set of readings being the config ones.
gvj@gvj-Mint ~ $ grep -H 'dxCl' quisk_settings.json
quisk_settings.json: "dxClExpireTime": "20",
quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
quisk_settings.json: "dxClPort": "7300",
quisk_settings.json: "dxClPassword": "None",
quisk_settings.json: "dxClExpireTime": "20",
quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
quisk_settings.json: "dxClPort": "7300",
quisk_settings.json: "dxClPassword": "None",
quisk_settings.json: "dxClExpireTime": "20",
quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
quisk_settings.json: "dxClPort": "7300",
quisk_settings.json: "dxClPassword": "None",
2b. The last line in the "Start Quisk with this radio" selection box is always partially obscured i.e. the window does not grow enough to fit in the last line although it does expand to fit extra lines of radios.

3. I lost my favourites and would like to know where Quisk defaults to as I have an old copy of "quisk_favorites.txt" which I would like to put in the default position.

4. When replaying a recording made from the record button on the top row of buttons, it does not replay correctly when using LSB as the audio is inverted. When replaying on usb everything is normal. This fault occurred in previous versions and I suspect is part of the pulse audio changes.

On the "it works perfectly scene" I have tested Quisk on an SSB QSO, CW, JT65, WSPR all with HiQSDR and they are all just great. I have yet to test Hermes-Lite and possibly others will beat me to it.

Great job and I am amazed at how few issues there are for a major release.

73, Graeme zl2apv

1900. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 21:10:57 UTC
From: Eric Thornton
Topic: 1893 Message: 1900

Pulseaudio levels seem fine on both my machines here (Mac OSX and Ubuntu 14.04). I'll do more looking tonight or tomorrow to see if anything upstream of pulse audio could have changed. It appears to be reading in my old config file and populating the options.

Eric
km4dsj

On Sat, Nov 21, 2015 at 3:41 PM, gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi Jim,
>
> Just to summarize and add a couple of others ...
>
> 1. Using pulse the audio levels are very low and needed to be set with
> pavucontrol to maximum for a comfortable listening level. Of course
> everything else on the machine is too loud.
>
> 2. The config file copies over to another file and I have tested and made
> several copies with different names and deleted them with 2 problems ...
> 2a. The DX cluster does not work from any of them with the error on
> loading I posted in my previous message. I made 2 renamed copies of my
> config file and checking in the quisk_settings.json file for all instances
> of dxCl every one matched the config ones with the last set of readings
> being the config ones.
> gvj@gvj-Mint ~ $ grep -H 'dxCl' quisk_settings.json
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> quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
> quisk_settings.json: "dxClPort": "7300",
> quisk_settings.json: "dxClPassword": "None",
> quisk_settings.json: "dxClExpireTime": "20",
> quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
> quisk_settings.json: "dxClPort": "7300",
> quisk_settings.json: "dxClPassword": "None",
> quisk_settings.json: "dxClExpireTime": "20",
> quisk_settings.json: "dxClHost": "zl2arn.ath.cx",
> quisk_settings.json: "dxClPort": "7300",
> quisk_settings.json: "dxClPassword": "None",
> 2b. The last line in the "Start Quisk with this radio" selection box is
> always partially obscured i.e. the window does not grow enough to fit in
> the last line although it does expand to fit extra lines of radios.
>
> 3. I lost my favourites and would like to know where Quisk defaults to as

> I have an old copy of "quisk_favorites.txt" which I would like to put in
> the default position.
>
> 4. When replaying a recording made from the record button on the top row
> of buttons, it does not replay correctly when using LSB as the audio is
> inverted. When replaying on usb everything is normal. This fault occurred
> in previous versions and I suspect is part of the pulse audio changes.
>
> On the "it works perfectly scene" I have tested Quisk on an SSB QSO, CW,
> JT65, WSPR all with HiQSDR and they are all just great. I have yet to test
> Hermes-Lite and possibly others will beat me to it.
>
> Great job and I am amazed at how few issues there are for a major release.
>
> 73, Graeme zl2apv
>
>

1901. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 23:18:21 UTC
From: g0izm@...
Topic: 1893 Message: 1901

OK: I've got it going ... but I don't really know how.

I renamed .quisk_conf.py to move it out of the way & restarted Quisk a few times. After some pretty random messing around with the Config button the audio eventually reappeared: I then reinstated .quisk_conf.py & again restarted Quisk and it's still OK. Audio levels seem to be as before, RX & TX both working.

The only problem I have now is that I have to press the Config button twice before getting to the actual settings. On the first press I get a popup window titled "wxPython: stdout/stderr" that reports:

```
Traceback (most recent call last):
File "./quisk_widgets.py", line 581, in OnButton
self.command(event)
File "./quisk_widgets.py", line 921, in OnButton
self.command(event)
File "/opt/quisk/quisk.py", line 3714, in OnBtnScreen
self.config_screen.FinishPages()
File "/opt/quisk/quisk.py", line 506, in FinishPages
if configure: application.local_conf.AddPages(self.notebook, self.width)
File "./configure.py", line 197, in AddPages
page = RadioNotebook(notebk, name)
File "./configure.py", line 421, in __init__
page = RadioSound(self, radio_name)
File "./configure.py", line 1118, in __init__
cb = self.AddComboCtrl(6, self.ItemValue(r, 4), choices=dev_capt)
File "./configure.py", line 631, in AddComboCtrl
cb = ComboCtrl(self, value, choices, no_edit)
File "./configure.py", line 452, in __init__
self.SetSizes()
File "./configure.py", line 468, in SetSizes
self.SetSizeHints(wm, self.height, 999, self.height)
File "/usr/lib64/python2.7/site-packages/wx-3.0-gtk2/wx/_core.py", line 9718, in
SetSizeHints
return _core_.Window_SetSizeHints(*args, **kwargs)
wx._core.PyAssertionError: C++ assertion "(minW == wxDefaultCoord || maxW ==
wxDefaultCoord || minW <= maxW) && (minH == wxDefaultCoord || maxH == wxDefaultCoord ||
minH <= maxH)" failed at ./src/common/wincmn.cpp(1046) in DoSetSizeHints(): min
width/height must be less than max width/height!
```

Not a biggie & maybe just due to my settings. Otherwise this version looks great (thanks for all the hard work!).

Ian

1902. RE: [n2adr-sdr] Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 23:24:36 UTC
From: MIKE DURKIN
Topic: 1893 Message: 1902

Seems to be working fine on my Odroid-x2 ...

Had to sudo make from quisk rather than sudo python setup.py install

odd .. they are the same i thought .. but one would run quisk with not finding ./_qusik.so and the other would ....

Iv not explored much ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 20 Nov 2015 12:28:16 -0800
Subject: [n2adr-sdr] Quisk 4.0.0

This is a major new release of Quisk. Comments, suggestions and bug reports are welcome. There is a lot of new code here, but remember that the prior version is still on my web page.

Quisk now has two new screen layouts. The "large screen" layout is the default, and is designed for PCs. It uses the full screen width in order to show as wide a graph as possible, and to make mouse tuning easy. The new layout "small screen" is designed for small screens such as touch screens used for single-board computers. But "small screen" can also be used by those with sight impairment, or by those who run Quisk at narrow widths on a PC. It has more button rows; and the band, mode and screen select buttons are hidden behind three master buttons. To select the band, for example, you press the band master button, and a list of bands pops up; then select the band. Press the Help button to read the new help file. Set button_layout = "Small screen" in your config file; but see below.

If you have written your own quisk_widgets.py file to add custom widgets to the bottom of your screen, you will need to change this file to accommodate both layouts. See n2adr/quisk_widgets.py and hermes/quisk_widgets.py for examples.

Quisk now has configuration screens to display and edit its settings. For most users, this makes config files obsolete. Press the Config button and see the additional tabs, and be sure to read the config help tab. Furthermore, Quisk can save different settings for different radios. For example, you can have a block of settings named HiQSDR and a separate block named SoftRock. When Quisk starts, it can ask which radio you want to use. This feature should appeal to those who have trouble dealing with config files, and to advanced users with multiple radios.

If you do nothing, Quisk operates as before, and the settings feature does nothing. You have to turn it on by making a named block of settings; a "radio". If you make some changes that cause Quisk to fail to start, just start Quisk with the "-a" or "--ask" option, and specify "ConfigFileRadio" as the startup radio. The "ConfigFileRadio" is the radio as specified in the config file, and no internal settings are used. This should not happen, but the code is very new, and I expect that it needs more work.

The settings screens take the place of config files, although config files can still be used. After editing settings, it is necessary to restart Quisk to make the settings happen. Press the "Restart" button. Some changes will always require a restart, such as the button layout. But I expect to make many settings happen instantly without a restart.

Jim

N2ADR

1903. Re: [n2adr-sdr] Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-21 23:57:02 UTC
From: Sid Boyce
Topic: 1893 Message: 1903

Hi Mike,
make just compiles the C files and builds _quisk.so
"python setup.py install" installs stuff in
/usr/local/lib/python2.7/dist-packages/quisk/ and creates the launch
script /usr/local/bin/quisk
73 ... Sid.

On 21/11/15 23:24, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Seems to be working fine on my Odroid-x2 ...
>
> Had to sudo make from quisk rather than sudo python setup.py install
>
> odd .. they are the same i thought .. but one would run quisk with not
> finding ./_qusik.so and the other would ....
>
> Iv not explored much ...
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 20 Nov 2015 12:28:16 -0800
> Subject: [n2adr-sdr] Quisk 4.0.0
>
>
> This is a major new release of Quisk. Comments, suggestions and bug
> reports are welcome. There is a lot of new code here, but remember
> that the prior version is still on my web page.
>
>
> Quisk now has two new screen layouts. The "large screen" layout is
> the default, and is designed for PCs. It uses the full screen width
> in order to show as wide a graph as possible, and to make mouse tuning
> easy. The new layout "small screen" is designed for small screens
> such as touch screens used for single-board computers. But "small
> screen" can also be used by those with sight impairment, or by those
> who run Quisk at narrow widths on a PC. It has more button rows; and
> the band, mode and screen select buttons are hidden behind three
> master buttons. To select the band, for example, you press the band
> master button, and a list of bands pops up; then select the band.
> Press the Help button to read the new help file. Set button_layout =
> "Small screen" in your config file; but see below.
>
>
> If you have written your own quisk_widgets.py file to add custom

> widgets to the bottom of your screen, you will need to change this
> file to accommodate both layouts. See n2adr/quisk_widgets.py and
> hermes/quisk_widgets.py for examples.
>
>
> Quisk now has configuration screens to display and edit its settings.
> For most users, this makes config files obsolete. Press the Config
> button and see the additional tabs, and be sure to read the config
> help tab. Furthermore, Quisk can save different settings for
> different radios. For example, you can have a block of settings named
> HiQSDR and a separate block named SoftRock. When Quisk starts, it can
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> who have trouble dealing with config files, and to advanced users with
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>
> If you do nothing, Quisk operates as before, and the settings feature
> does nothing. You have to turn it on by making a named block of
> settings; a "radio". If you make some changes that cause Quisk to
> fail to start, just start Quisk with the "-a" or "--ask" option, and
> specify "ConfigFileRadio" as the startup radio. The "ConfigFileRadio"
> is the radio as specified in the config file, and no internal settings
> are used. This should not happen, but the code is very new, and I
> expect that it needs more work.
>
>
> The settings screens take the place of config files, although config
> files can still be used. After editing settings, it is necessary to
> restart Quisk to make the settings happen. Press the "Restart"
> button. Some changes will always require a restart, such as the
> button layout. But I expect to make many settings happen instantly
> without a restart.
>
>
> Jim
>
> N2ADR
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1904. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 00:15:50 UTC
From: gvjury@...
Topic: 1893 Message: 1904

Eric, line 516 "read_frames = dev->read_frames;" in sound_pulseaudio.c should that be commented out permanently or is that just for broken audio on relatively narrow wifi networks etc.?

The Audio levels for Digital modes are still the same (and plenty of it) and I now suspect the audio out from Quisk is probably OK. Checking closer I find the audio level on an AM broadcast station to be comparable to audio from a CD and I need the volume slider to be set back to 50% for a comfortable listening level. When listening to CW (at any bandwidth) I need to run the volume slider to full - some hard boiled ssb ops may say my ears are rejecting CW :-) but on my TS-50 the same volume setting is used for CW or SSB and there is not the big difference I noticed on Quisk. My original report was a bit of a red herring as it is really based on perception.

Jim, The shaved off text in the sliders could be fixed by left justifying it.

Often when exiting Quisk I get this message box ...

QUISK version 4.0.0 Capture from UDP 192.168.2.196 port 0xBC77, firmware version 1.87 is not responding.

You may choose to wait a short while for it to continue or force the application to quit entirely.

with a "Force Quit" or a "Wait" button displayed

Going to do the same testing with alsa and then will move on to Hermes-Lite where I have some filter testing to do also. It would be nice when starting Quisk if I could have the alsa loopback to be an option so I can do a menu item of "HiQSDR alsa Loopback" vs "HiQSDR alsa" for when I don't want to do digital modes and want the least resource consumption possible. I'm not sure if a loopback uses anything if it is not passing audio or connected so maybe someone can educate me here and the request may be superfluous.

73 Graeme zl2apv

1905. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 16:57:27 UTC
From: jahlstr@...
Topic: 1893 Message: 1905

```
> File "./dxcluster.py", line 111, in telnetConnect
> self.tn.write(conf.user_call_sign + "\n")

Please check the dx cluster call sign in your config file and on the settings screen.

Jim
N2ADR
```

1906. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 17:15:25 UTC
From: jahlstr@...
Topic: 1893 Message: 1906

Hello Sid,

I am not sure I am following you here. On my config/radios/hardware screen I also have a Hermes-Lite. When I set the ip address to blank and restart, the config/radios/hardware screen shows the blank. When I set an IP address and restart, config/radios/hardware screen shows the IP address I entered. The Hardware screen saves the IP address I entered, either blank or 192.168.1.122.

But there is an issue with the Hermes-Lite. A blank IP address is a valid entry, and means the IP address should be obtained from DHCP. If you enter an IP address, it instructs the Hermes-Lite to use that address instead of DHCP; but I think that that fails on the Hermes-Lite unless a DHCP address has been obtained first.

If you really mean that the IP address is not being saved on the hardware screen, please note that Quisk saves its settings in a file named quisk_settings.json in the default config file location. Check if somehow you have two such files.

Jim
N2ADR

1907. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 17:20:55 UTC
From: jahlstr@...
Topic: 1893 Message: 1907

If you start Quisk 4.0.0 and do nothing else, nothing should change. I don't know why the audio is different. If you create a radio, and start that radio, the audio could be different because the settings are different. To check this, set "Ask me" when quisk starts, and request "ConfigFileRadio" as the startup radio. Then only your config file is used for settings, and everything should be the same.

Jim
N2ADR

1908. RE: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 17:43:01 UTC
From: MIKE DURKIN
Topic: 1893 Message: 1908

I like this concept of "radio" in the selections ....

I can use my SDR hardware on the fundamental or harmonic and i think a second radio setup can be setup that way ...

looking forward to try that .....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 22 Nov 2015 09:20:55 -0800
Subject: [n2adr-sdr] Re: Quisk 4.0.0

If you start Quisk 4.0.0 and do nothing else, nothing should change. I don't know why the audio is different. If you create a radio, and start that radio, the audio could be different because the settings are different. To check this, set "Ask me" when quisk starts, and request "ConfigFileRadio" as the startup radio. Then only your config file is used for settings, and everything should be the same.

JimN2ADR

1909. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 18:03:30 UTC
From: jahlstr@...
Topic: 1893 Message: 1909

Hello Graeme,

Thanks for your careful work in testing Quisk.

---In n2adr-sdr@yahoogroups.com, <gvjury@...> wrote :

>1. Using pulse the audio levels are very low

There was no change in PulseAudio. Are you using "mixer_settings" in your config file? If so, and if you rename (stop using) your config file, mixer_settings will not be used because it is absent from the new config screens. But you can fix this by retaining a config file with mixer_settings in it. If you are not using mixer_settings, this is a mystery.

---In n2adr-sdr@yahoogroups.com, <gvjury@...> wrote :

>2a. The DX cluster does not work
>quisk_settings.json: "dxClPassword": "None",

Thanks for taking the trouble to scrutinize quisk_settings.json. It looks like your config file has lines that set some of the dx cluster parameters to Python "None". The Python "None" object is never a valid setting for any of these parameters. You must use the null string "". I see a problem here. The config file will work correctly with None, but the settings screens are more strict. Maybe I can fix this. Meanwhile, go to the radio/Remote settings screen, and change any None entries to blank.

>2b. The last line in the "Start Quisk with this radio" selection box is always partially obscured i.e. the window does not grow enough to fit in the last line although it does expand to fit extra lines of radios.

I do not see this at my QTH. Also, the selection box is supposed to show a scroll bar if there are too many items.

>3. I lost my favourites and would like to know where Quisk defaults to as I have an old copy of "quisk_favorites.txt" which I would like to put in the default position.

The default is the location of your config file, but there is an option to change the location in your config file. The config file default is Documents on Windows, and your home directory on Linux. There is no option to set it from the settings screens (yet).

>4. When replaying a recording made from the record button on the top row of buttons, it does not replay correctly when using LSB as the audio is inverted. When replaying on usb everything is normal.

That is odd. If I understand correctly, the audio is monophonic, and there is nothing to invert.

Thanks again Graeme.

Jim
N2ADR

1910. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 18:13:25 UTC
From: jahlstr@...
Topic: 1893 Message: 1910

Hello Ian,

>I then reinstated .quisk_conf.py & again restarted Quisk and it's still OK

You don't need to reinstate .quisk_conf.py unless it has items you need that are not on the config screens. For example, custom colors, hotkeys or band plans. In any case, your config file be reduced so it does not have any items that are on the config screens.

>Traceback (most recent call last): etc, etc, etc.

That is caused by the very long PulseAudio names. It is a bug and I will fix it.

Jim
N2ADR

1911. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 18:25:35 UTC
From: jahlstr@...
Topic: 1893 Message: 1911

Hello,

>It would be nice when starting Quisk if I could have the alsa loopback to be an option so I can do a menu item of "HiQSDR alsa Loopback" vs "HiQSDR alsa"

I am confused. On my machine, the alsa loopback devices do appear on the list of sound devices.

You can make a radio named "HiQSDR alsa Loopback" and another named "HiQSDR alsa" and another named "HiQSDR three". The settings can all be different, no problem.

Jim
N2ADR

1912. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 21:21:09 UTC
From: g0izm@...
Topic: 1893 Message: 1912

Thanks Jim

I do have a few things in .quisk_conf.py that I'll keep: colours, bandmaps (e.g. UK 60m allocations).

I'll work to get rid of the duplications with the config settings though.

Ian

1913. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 22:03:41 UTC
From: gvjury@...
Topic: 1893 Message: 1913

Hi Jim,

>>2b. The last line in the "Start Quisk with this radio" selection box is always partially obscured i.e. the window does not grow enough to fit in the last line although it does expand to fit extra lines of radios.

> I do not see this at my QTH. Also, the selection box is supposed to show a scroll bar if there are too many items.

Yes there is a scroll bar. I have posted 3 pictures to show what I mean.

2 Radios fit into the screen
3 Radios is obscuring the last line partially and the scroll bar is active.
5 Radios has grown the list box but not enough to show the last radio. Again you can scroll to it.

Its a cosmetic issue and not important. I just wanted to point out that if the list box can grow (probably up to a defined limit) as 5 Radios show, maybe the 3 radio box could be grown a little more to show the last radio and not make it necessary to scroll. Perhaps even the 5 Radio list could extend more also. Again its only a cosmetic thing.

73, Graeme zl2apv

1914. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 22:32:08 UTC
From: gvjury@...
Topic: 1893 Message: 1914

Hi Jim,

I will stick with one issue per message to keep things from becoming confusing.
I have cleared the "Password for DX cluster" and checked that the quisk_settings.json file reads null.

"lin_microphone_name": "pulse:hw:0,0",
"dxClPassword": "",
"station_display_lines": "3",

but I still get this error message on startup and the dx cluster won't connect. In case there is a hidden character in the file I have also tried typing the line in by hand.

Exception in thread Thread-2:
Traceback (most recent call last):
File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
self.run()
File "./dxcluster.py", line 91, in run
self.telnetConnect()
File "./dxcluster.py", line 111, in telnetConnect
self.tn.write(conf.user_call_sign + "\n")
File "/usr/lib/python2.7/telnetlib.py", line 279, in write
if IAC in buffer:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xff in position 0: ordinal not in range(128)

Hope this helps, 73 Graeme zl2apv

1915. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-22 23:44:26 UTC
From: Sid Boyce
Topic: 1893 Message: 1915

Hi Jim,
I have 2 Hermes-Lite, "Ask me" presents MyRadio and HL227.
I select HL227 but MyRadio is always the one that comes up in quisk.
I can ping HL227.

From quisk_settings.json.
"Ask me",
"HL227",
[
"My Radio",
"HL227"
],

MyRadio

"win_latency_millisecs": "150",
"win_digital_output_name": "",
"config_font_size": "14",
"window_height": "-1",
"rx_udp_ip": "192.168.10.229",
"tx_channel_delay": "-1",
"rx_udp_clock": "73728000",
"agc_release_time": "1.0",
"channel_q": "1",
"use_sdriq": "0",

HL227

"win_latency_millisecs": "150",
"win_digital_output_name": "",
"config_font_size": "14",
"window_height": "-1",
"rx_udp_ip": "192.168.10.227",
"tx_channel_delay": "-1",
"rx_udp_clock": "73728000",
"agc_release_time": "1.0",
"channel_q": "1",
"use_sdriq": "0",
73 ... Sid.

On 22/11/15 17:15, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>

> I am not sure I am following you here. On my config/radios/hardware
> screen I also have a Hermes-Lite. When I set the ip address to blank
> and restart, the config/radios/hardware screen shows the blank. When
> I set an IP address and restart, config/radios/hardware screen shows
> the IP address I entered. The Hardware screen saves the IP address I
> entered, either blank or 192.168.1.122.
>
> But there is an issue with the Hermes-Lite. A blank IP address is a
> valid entry, and means the IP address should be obtained from DHCP.
> If you enter an IP address, it instructs the Hermes-Lite to use that
> address instead of DHCP; but I think that that fails on the
> Hermes-Lite unless a DHCP address has been obtained first.
>
> If you really mean that the IP address is not being saved on the
> hardware screen, please note that Quisk saves its settings in a file
> named quisk_settings.json in the default config file location. Check
> if somehow you have two such files.
>
> Jim
> N2ADR
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1916. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 00:25:10 UTC
From: gvjury@...
Topic: 1893 Message: 1916

Hi Jim,

Yes I see you need to be clairvoyant to follow my question :-(

>>It would be nice when starting Quisk if I could have the alsa loopback to be an option so I can do a menu item of "HiQSDR alsa Loopback" vs "HiQSDR alsa"

>I am confused. On my machine, the alsa loopback devices do appear on the list of sound devices.

What I meant was to avoid having a permanant loopback setup by having a modprobe command in /etc/rc.local, I wanted to run "modprobe snd-aloop" prior to launching Quisk. I originally thought of a startup script but then considered if I wanted to run pulse I would need a different command so it would need to be linked to the radio choice. Anyway this is getting too complicated and a long way from what you are achieving right now so lets consider it out of scope and I will revisit it another time.

73 Graeme zl2apv

1917. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 00:47:13 UTC
From: gvjury@...
Topic: 1893 Message: 1917

Hi Jim, some follow up testing has revealed the probelm.

>>4. When replaying a recording made from the record button on the top row of buttons, it does not replay correctly when using LSB as the audio is inverted. When replaying on usb everything is normal.

>That is odd. If I understand correctly, the audio is monophonic, and there is nothing to invert.

Quisk replays the recorded audio on the upper sideband only, regardless of whether Quisk is set to LSB or not. The distant station report threw me as they made it seem that the audio was in channel.

73, Graeme zl2apv

1918. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 00:49:38 UTC
From: gvjury@...
Topic: 1893 Message: 1918

Darn it! I meant to mention that the fault exists on the previous version as well so it is not something you have introduced with ver 4.0.0

Graeme

1919. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 01:12:19 UTC
From: Sid Boyce
Topic: 1893 Message: 1919

One option for the future would allow switching between Radios on the
fly within quisk.

I now have quisk running MyRadio on ODROID-U3 and HL227 on x86_64 singly
configured for 192.168.10.227 manually entered although it gets its
persistent IP address via dhcp.
73 ... Sid.

On 22/11/15 23:44, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
> I have 2 Hermes-Lite, "Ask me" presents MyRadio and HL227.
> I select HL227 but MyRadio is always the one that comes up in quisk.
> I can ping HL227.
>
> From quisk_settings.json.
> "Ask me",
> "HL227",
> [
> "My Radio",
> "HL227"
>],
>
> MyRadio
> ------------
>
> "win_latency_millisecs": "150",
> "win_digital_output_name": "",
> "config_font_size": "14",
> "window_height": "-1",
> "rx_udp_ip": "192.168.10.229",
> "tx_channel_delay": "-1",
> "rx_udp_clock": "73728000",
> "agc_release_time": "1.0",
> "channel_q": "1",
> "use_sdriq": "0",
>
> HL227
> ------------
> "win_latency_millisecs": "150",
> "win_digital_output_name": "",
> "config_font_size": "14",
> "window_height": "-1",
> "rx_udp_ip": "192.168.10.227",
> "tx_channel_delay": "-1",
> "rx_udp_clock": "73728000",

> "agc_release_time": "1.0",
> "channel_q": "1",
> "use_sdriq": "0",
> 73 ... Sid.
>
> On 22/11/15 17:15, jahlstr@... [n2adr-sdr] wrote:
>> Hello Sid,
>>
>>
>> I am not sure I am following you here. On my config/radios/hardware
>> screen I also have a Hermes-Lite. When I set the ip address to blank
>> and restart, the config/radios/hardware screen shows the blank. When
>> I set an IP address and restart, config/radios/hardware screen shows
>> the IP address I entered. The Hardware screen saves the IP address I
>> entered, either blank or 192.168.1.122.
>>
>> But there is an issue with the Hermes-Lite. A blank IP address is a
>> valid entry, and means the IP address should be obtained from DHCP.
>> If you enter an IP address, it instructs the Hermes-Lite to use that
>> address instead of DHCP; but I think that that fails on the
>> Hermes-Lite unless a DHCP address has been obtained first.
>>
>> If you really mean that the IP address is not being saved on the
>> hardware screen, please note that Quisk saves its settings in a file
>> named quisk_settings.json in the default config file location. Check
>> if somehow you have two such files.
>>
>> Jim
>> N2ADR
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1920. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 06:08:49 UTC
From: Eric Thornton
Topic: 1893 Message: 1920

Finally had some time to test 4.0.0 with radio configs.

-Softrock TX level is not saved with the radio config and now
mic_out_volume seems to be ignored from my config file. It always defaults
to 0.7
-A few options missing from the soft rock screen to make remote operation
complete. I'll fix this.
-Quisk is very slow and unresponsive on OSX when starting without a config
file since there are no Alsa devices and it is stuck in a loop looking for
either samples or devices. I'll look into this and see what I need to do to
fix this issue. Doesn't happen on my Ubuntu laptop. Not a problem once it
is configured.

Eric

On Sun, Nov 22, 2015 at 8:12 PM, Sid Boyce g3vbv@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> One option for the future would allow switching between Radios on the
> fly within quisk.
>
> I now have quisk running MyRadio on ODROID-U3 and HL227 on x86_64 singly
> configured for 192.168.10.227 manually entered although it gets its
> persistent IP address via dhcp.
> 73 ... Sid.
>
> On 22/11/15 23:44, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> > Hi Jim,
> > I have 2 Hermes-Lite, "Ask me" presents MyRadio and HL227.
> > I select HL227 but MyRadio is always the one that comes up in quisk.
> > I can ping HL227.
> >
> > From quisk_settings.json.
> > "Ask me",
> > "HL227",
> > [
> > "My Radio",
> > "HL227"
> >],
> >
> > MyRadio
> > ------------
> >
> > "win_latency_millisecs": "150",
> > "win_digital_output_name": "",
> > "config_font_size": "14",

> > "window_height": "-1",
> > "rx_udp_ip": "192.168.10.229",
> > "tx_channel_delay": "-1",
> > "rx_udp_clock": "73728000",
> > "agc_release_time": "1.0",
> > "channel_q": "1",
> > "use_sdriq": "0",
> >
> > HL227
> > ------------
> > "win_latency_millisecs": "150",
> > "win_digital_output_name": "",
> > "config_font_size": "14",
> > "window_height": "-1",
> > "rx_udp_ip": "192.168.10.227",
> > "tx_channel_delay": "-1",
> > "rx_udp_clock": "73728000",
> > "agc_release_time": "1.0",
> > "channel_q": "1",
> > "use_sdriq": "0",
> > 73 ... Sid.
> >
> > On 22/11/15 17:15, jahlstr@... [n2adr-sdr] wrote:
> >> Hello Sid,
> >>
> >>
> >> I am not sure I am following you here. On my config/radios/hardware
> >> screen I also have a Hermes-Lite. When I set the ip address to blank
> >> and restart, the config/radios/hardware screen shows the blank. When
> >> I set an IP address and restart, config/radios/hardware screen shows
> >> the IP address I entered. The Hardware screen saves the IP address I
> >> entered, either blank or 192.168.1.122.
> >>
> >> But there is an issue with the Hermes-Lite. A blank IP address is a
> >> valid entry, and means the IP address should be obtained from DHCP.
> >> If you enter an IP address, it instructs the Hermes-Lite to use that
> >> address instead of DHCP; but I think that that fails on the
> >> Hermes-Lite unless a DHCP address has been obtained first.
> >>
> >> If you really mean that the IP address is not being saved on the
> >> hardware screen, please note that Quisk saves its settings in a file
> >> named quisk_settings.json in the default config file location. Check
> >> if somehow you have two such files.
> >>
> >> Jim
> >> N2ADR
> >>
> >
>
>

> --
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1921. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 10:50:22 UTC
From: Ron
Topic: 1893 Message: 1921

Hello,

Same issue on a Raspberry PI 2 running Debian Jessie.

73
Ron / W4MMP

On 11/23/2015 01:08, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> Quisk is very slow and unresponsive on OSX when starting without a
> config file since there are no Alsa devices and it is stuck in a loop
> looking for either samples or devices.

1922. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 14:15:29 UTC
From: jahlstr@...
Topic: 1893 Message: 1922

Hi Graeme,

I don't see the three pictures. Where are they?

Jim

1923. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 14:27:00 UTC
From: jahlstr@...
Topic: 1893 Message: 1923

I don't see this at my QTH. If "Ask me" pops up a radio selection box, and you select HL227, and you change to the Radios screen, Quisk should say that it is running with settings from HL227. Also, the tab for the radio should look like this: "*HL227*". The asterisks indicate the radio settings in use.

Jim
N2ADR

1924. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 14:30:45 UTC
From: jahlstr@...
Topic: 1893 Message: 1924

Hi,

I don't think there is any harm in having a permanent loopback device. I don't think they use resources when not in use.

Jim

1925. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 14:50:02 UTC
From: jahlstr@...
Topic: 1893 Message: 1925

You are right. I will fix this in the next release.

Jim

1926. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 14:51:54 UTC
From: jahlstr@...
Topic: 1893 Message: 1926

You can switch between radios by using the "Restart Quisk" button on the radios screen.

Jim

1927. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 15:00:24 UTC
From: jahlstr@...
Topic: 1893 Message: 1927

Hello Eric,

>-Softrock TX level is not saved with the radio config and now mic_out_volume seems to be ignored

Yes, I will fix this.

I believe you have some more changes to PulseAudio. If so, I can get them into the next release.

Jim

1928. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 15:20:56 UTC
From: Sid Boyce
Topic: 1893 Message: 1928
Attachments: 1 described; binary payloads are missing from this source WARC

Here is the screenshot. Hope it gets through.
73 ... Sid.

On 23/11/15 14:27, jahlstr@... [n2adr-sdr] wrote:
>
> I don't see this at my QTH. If "Ask me" pops up a radio selection
> box, and you select HL227, and you change to the Radios screen, Quisk
> should say that it is running with settings from HL227. Also, the tab
> for the radio should look like this: "*HL227*". The asterisks
> indicate the radio settings in use.
>
>
> Jim
> N2ADR
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

1929. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 16:51:14 UTC
From: jahlstr@...
Topic: 1893 Message: 1929

Hello Sid,

OK, I see the screenshot. And the HL227 is indeed the radio in use just as you requested. And the hardware type is Hermes, which is correct, and the settings for Hardware look OK. Are you saying that the settings are wrong for this radio in that 192.168.10.227 is not the actual IP address that the hardware is using?

If 192.168.10.227 is the correct IP address you entered, but the Hermes-Lite is not using that address, then the issue is with the Hermes-Lite, not the new Quisk features. At my QTH, the IP set feature does not work unless the Hermes-Lite has obtained an address from DHCP first. Try turning on the Hermes-Lite and waiting until it has a DHCP address before starting Quisk. If that does not work, leave the Hermes-Lite on, exit Quisk and then restart Quisk.

The Hermes-Lite IP set feature is most useful for those lacking a DHCP server, so please test.

Jim
N2ADR

1930. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 19:01:43 UTC
From: gvjury@...
Topic: 1893 Message: 1930

I put them in the photos. I see from what Sid has done that you can add them as an attachment so in future I will try that.

https://groups.yahoo.com/neo/groups/n2adr-sdr/photos/albums/1462249887
https://groups.yahoo.com/neo/groups/n2adr-sdr/photos/albums/1462249887

Hopefully the link will get you there

Cheers, Graeme

1931. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 19:22:49 UTC
From: g0izm@...
Topic: 1893 Message: 1931

Hello again Jim

In fact I do have another problem which I discovered when when I went to start stripping out my .quisk_conf.py file: no tabs are displayed for the individual radios (neither "ConfigFileRadio" nor whatever I call my HiQSDR when I create it).

Possibly related: if I start Quisk with no pre-existing config files, then select Config, then the Radios tab & then ask it to create a new radio I get a different (but similar) wxPython error to the other one:

```
Traceback (most recent call last):
File "./configure.py", line 800, in OnBtnAdd
if local_conf.AddRadio(name, typ):
File "./configure.py", line 225, in AddRadio
page = RadioNotebook(self.notebk, radio_name)
File "./configure.py", line 421, in __init__
page = RadioSound(self, radio_name)
File "./configure.py", line 1118, in __init__
cb = self.AddComboCtrl(6, self.ItemValue(r, 4), choices=dev_capt)
File "./configure.py", line 631, in AddComboCtrl
cb = ComboCtrl(self, value, choices, no_edit)
File "./configure.py", line 452, in __init__
self.SetSizes()
File "./configure.py", line 468, in SetSizes
self.SetSizeHints(wm, self.height, 999, self.height)
File "/usr/lib64/python2.7/site-packages/wx-3.0-gtk2/wx/_core.py", line 9718, in
SetSizeHints
return _core_.Window_SetSizeHints(*args, **kwargs)
wx._core.PyAssertionError: C++ assertion "(minW == wxDefaultCoord || maxW ==
wxDefaultCoord || minW <= maxW) && (minH == wxDefaultCoord || maxH == wxDefaultCoord ||
minH <= maxH)" failed at ./src/common/wincmn.cpp(1046) in DoSetSizeHints(): min
width/height must be less than max width/height!
```

Quisk does then allow me to create a radio and it writes a quisk_settings.json file, but I can't then edit any of the settings (since there's no tab to select).

Not sure if this is something to do with my set up. I'm running Arch so some of the packages may be different versions than Ubuntu and others are currently providing.

Is there anything else I can do to test?

Cheers
Ian

1932. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-23 20:43:28 UTC
From: dh5ym@...
Topic: 1893 Message: 1932

Hi Jim,

i also have a few feedback:
The hamlib control of the 2nd RX seems to work well. If split is switched on the 2nd RX frequency is reported and also this VFO is set via hamlib. The TX frequency stays untouched. If split is switched off the TX VFO is controlled. The only thing i do not understand is in the GUI the selection right of the split button. You have there "Hamlib control TX" and "Hamlib control RX". But it does not make a difference what i set. In split it always controls the 2nd RX and without split the TX. That might be different from than you intended.
I did not try much more so far. But thats already really cool.

73
Mario

1933. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 00:14:03 UTC
From: Sid Boyce
Topic: 1893 Message: 1933

It's greyed out.
73 ... Sid.

On 23/11/15 14:51, jahlstr@... [n2adr-sdr] wrote:
>
> You can switch between radios by using the "Restart Quisk" button on
> the radios screen.
>
>
> Jim
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1934. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 00:24:59 UTC
From: Sid Boyce
Topic: 1893 Message: 1934
Attachments: 1 described; binary payloads are missing from this source WARC

Checking the top line of the snapshot and also activity on the HL's,
it's using 192.168.10.229 but 192.168.10.227 was selected from Ask me.

Snapshot of 192.168.10.227 running on x86_64. It's the only one
configured on x86_64.
73 ... Sid.

On 23/11/15 16:51, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>
> OK, I see the screenshot. And the HL227 is indeed the radio in use
> just as you requested. And the hardware type is Hermes, which is
> correct, and the settings for Hardware look OK. Are you saying that
> the settings are wrong for this radio in that 192.168.10.227 is not
> the actual IP address that the hardware is using?
>
> If 192.168.10.227 is the correct IP address you entered, but the
> Hermes-Lite is not using that address, then the issue is with the
> Hermes-Lite, not the new Quisk features. At my QTH, the IP set
> feature does not work unless the Hermes-Lite has obtained an address
> from DHCP first. Try turning on the Hermes-Lite and waiting until it
> has a DHCP address before starting Quisk. If that does not work,
> leave the Hermes-Lite on, exit Quisk and then restart Quisk.
>
> The Hermes-Lite IP set feature is most useful for those lacking a DHCP
> server, so please test.
>
> Jim
> N2ADR
>

--
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1935. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 01:55:41 UTC
From: Graeme Jury
Topic: 1893 Message: 1935

If you are using Pulse it will be greyed out. Works for alsa.

73 Graeme

On 24/11/15 13:14, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> It's greyed out.
> 73 ... Sid.
>
> On 23/11/15 14:51, jahlstr@... [n2adr-sdr] wrote:
>> You can switch between radios by using the "Restart Quisk" button on
>> the radios screen.
>>
>>
>> Jim
>>
>

1936. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 02:10:36 UTC
From: Sid Boyce
Topic: 1893 Message: 1936

Thanks Graeme.
On x86_64 with just HL227 configured sound is very low, alsamixer and
pavucontrol are at max.

No problem on ODROID-U3 after setting pavucontrol to max.
73 ... Sid.

On 24/11/15 01:55, Graeme Jury gvjury@... [n2adr-sdr] wrote:
> If you are using Pulse it will be greyed out. Works for alsa.
>
> 73 Graeme
>
> On 24/11/15 13:14, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> It's greyed out.
>> 73 ... Sid.
>>
>> On 23/11/15 14:51, jahlstr@... [n2adr-sdr] wrote:
>>> You can switch between radios by using the "Restart Quisk" button on
>>> the radios screen.
>>>
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>>> Jim
>>>
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> Yahoo Groups Links
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--
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1937. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 03:12:06 UTC
From: Graeme Jury
Topic: 1893 Message: 1937

Hi Sid,

You may have read on an earlier post of mine that I had problems with low audio levels. It seemed whatever I did it would not improve so after an evening of messing around with settings I shut the machine down for the night. When I ran the machine up the next day my audio seemed to be back to normal. I am sure it was not Quisk that was the problem and my lesson from this is if you are playing around with pulse, restart it after major changes.

73, Graeme

On 24/11/15 15:10, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Thanks Graeme.
> On x86_64 with just HL227 configured sound is very low, alsamixer and
> pavucontrol are at max.
>
> No problem on ODROID-U3 after setting pavucontrol to max.
> 73 ... Sid.
>
> On 24/11/15 01:55, Graeme Jury gvjury@... [n2adr-sdr] wrote:
>> If you are using Pulse it will be greyed out. Works for alsa.
>>
>> 73 Graeme
>>
>> On 24/11/15 13:14, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>> It's greyed out.
>>> 73 ... Sid.
>>>
>>> On 23/11/15 14:51, jahlstr@... [n2adr-sdr] wrote:
>>>> You can switch between radios by using the "Restart Quisk" button on
>>>> the radios screen.
>>>>
>>>>
>>>> Jim
>>>>
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>> Yahoo Groups Links
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>

1938. RE: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-24 21:15:20 UTC
From: MIKE DURKIN
Topic: 1893 Message: 1938

Can the favorites file name be amended by the radio name?

Iv tried to setup 2 radios using the same hardware ..... one needs to be set as a transverter with a 1/3 harmonic setting ....

The favorites list that i have before 4.0 shows on both radios ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 22 Nov 2015 09:20:55 -0800
Subject: [n2adr-sdr] Re: Quisk 4.0.0

If you start Quisk 4.0.0 and do nothing else, nothing should change. I don't know why the audio is different. If you create a radio, and start that radio, the audio could be different because the settings are different. To check this, set "Ask me" when quisk starts, and request "ConfigFileRadio" as the startup radio. Then only your config file is used for settings, and everything should be the same.

JimN2ADR

1939. Sending rx audio packets to Hermes board

Yahoo group: n2adr-sdr
Date: 2015-11-24 22:22:00 UTC
From: irbsurfing@...
Topic: 1939 Message: 1939

Hi,
Has anybody had any success sending rx audio back to a Hermes board over ethernet so that you can use the on-board codec, it looks like it should be possible. Any advice on settings would be most welcome.
Thanks,
Andrew
G4XZL

1940. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 02:35:51 UTC
From: Sid Boyce
Topic: 1893 Message: 1940

Over 23 hours later I only read your post.
Yesterday morning I rebooted and only just tried with pulseaudio and alsa.
No difference with quisk with the wick turned fully up.
Skype, Youtube videos, sound booms out at lower volume settings.
73 ... Sid.

On 24/11/15 03:12, Graeme Jury gvjury@... [n2adr-sdr] wrote:
> Hi Sid,
>
> You may have read on an earlier post of mine that I had problems with
> low audio levels. It seemed whatever I did it would not improve so after
> an evening of messing around with settings I shut the machine down for
> the night. When I ran the machine up the next day my audio seemed to be
> back to normal. I am sure it was not Quisk that was the problem and my
> lesson from this is if you are playing around with pulse, restart it
> after major changes.
>
> 73, Graeme
>
> On 24/11/15 15:10, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>> Thanks Graeme.
>> On x86_64 with just HL227 configured sound is very low, alsamixer and
>> pavucontrol are at max.
>>
>> No problem on ODROID-U3 after setting pavucontrol to max.
>> 73 ... Sid.
>>
>> On 24/11/15 01:55, Graeme Jury gvjury@... [n2adr-sdr] wrote:
>>> If you are using Pulse it will be greyed out. Works for alsa.
>>>
>>> 73 Graeme
>>>
>>> On 24/11/15 13:14, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
>>>> It's greyed out.
>>>> 73 ... Sid.
>>>>
>>>> On 23/11/15 14:51, jahlstr@... [n2adr-sdr] wrote:
>>>>> You can switch between radios by using the "Restart Quisk" button on
>>>>> the radios screen.
>>>>>
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>>>>> Jim
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> Yahoo Groups Links
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Senior Staff Specialist, Cricket Coach
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1941. Quisk 4.0.0 - split freq - sound on digital_output

Yahoo group: n2adr-sdr
Date: 2015-11-25 10:20:16 UTC
From: michael.hartje@...
Topic: 1941 Message: 1941

hello List,

Quisk 4.0.0 is a nice step further - but I fear, that the spilt frequency function has changed.

In the past (3.7.8 and below) with spilt freq receive the sound was sent to left and right channel - also on digital_output to feed fldigi, wsjt-x for example with both or selected channels.

In quisk 4.0.0 the sound is send to the audio output left and right channel, but not to digital_output -- just one channel!

So the question is -- have a missed any further configuration variable? -- I let the split_rxtx = 2 (as before)

Or is it a change in pulseaudio interface of the new 4.0.0?

Thanks
vy73

Michael
DK5HH

1942. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 12:01:42 UTC
From: jahlstr@...
Topic: 1893 Message: 1942

Hi,

This is the same bug as before. You can change line 468 in configure.py to:

self.SetSizeHints(wm, self.height, 9999, self.height)

Note the change from "999" to "9999". That should fix the problem.

Jim
N2ADR

1943. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 12:02:59 UTC
From: jahlstr@...
Topic: 1893 Message: 1943

OK, I see what you mean now. But I don't know how to fix it, as I am calling a wxPython utility and it does what it does. But I will look at it.

Jim
N2ADR

1944. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 12:32:05 UTC
From: jahlstr@...
Topic: 1893 Message: 1944

The "Hamlib control TX" and "Hamlib control RX" will set the correct frequency if Hamlib calls set_split_freq, so it depends on what Hamlib does. I find Hamlib a bit of a mystery, but I will change Quisk if anyone wants to research this.

Jim
N2ADR

1945. Re: Quisk 4.0.0 - split freq - sound on digital_output

Yahoo group: n2adr-sdr
Date: 2015-11-25 12:42:31 UTC
From: jahlstr@...
Topic: 1941 Message: 1945

I don't think there was a change in Split. The setting split_rxtx from the config file is now on the radio Options tab, and is called Split-mode audio. Just set it there.

Jim
N2ADR

1946. RE: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 12:52:38 UTC
From: jahlstr@...
Topic: 1893 Message: 1946

The favorites file path can be set in your config file. It is favorites_file_path="my path". If you always want to use the same file, that is how to do it.

Jim
N2ADR

1947. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 13:21:09 UTC
From: jahlstr@...
Topic: 1893 Message: 1947

There is a new Quisk 4.0.1 to fix some bugs, and add the "Odyssey" radio by David Fainitski.

Jim
N2ADR

1948. RE: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-25 16:07:11 UTC
From: MIKE DURKIN
Topic: 1893 Message: 1948

The config file for each radio ?

I would like to have different favorite lists for the different radio configs ...

Im going to use the same hardware .... but want one used on a 3rd harmonic (ie VFO is set to 1/3 the display)

Im looking to use my UHFSDR into the microwave bands ....

Is it possible to configure quisk in that fashion?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Wed, 25 Nov 2015 04:52:38 -0800
Subject: RE: [n2adr-sdr] Re: Quisk 4.0.0

The favorites file path can be set in your config file. It is favorites_file_path="my path". If you always want to use the same file, that is how to do it.

JimN2ADR

1949. Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-25 21:53:23 UTC
From: gvjury@...
Topic: 1949 Message: 1949
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,

Sorry but there are new bugs in Quisk-4.0.1 but probably associated with already reported 4.0.0 ones.

1.

When using a copy of quisk_conf.py for a new radio, the cluster can't be accessed. This is previously reported and no doubt on your bug list but there is a change on behaviour whereby there is no longer a pop up window with the error message so I have copied the text from the terminal window ...

```
gvj@gvj-Mint ~/Programs/quisk-4.0.1 $ python quisk.py
open_wav failed
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Pulseaudio threaded mainloop started
Connected to gvj-Mint
Exception in thread Thread-2:
Traceback (most recent call last):
File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
self.run()
File "./dxcluster.py", line 91, in run
self.telnetConnect()
File "./dxcluster.py", line 111, in telnetConnect
self.tn.write(conf.user_call_sign + "\n")
File "/usr/lib/python2.7/telnetlib.py", line 279, in write
if IAC in buffer:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xff in position 0: ordinal not in
range(128)

Killed
```

Note when I exited quisk the program locked up (another previous report) and I had to kill it.

2.

When starting from the "configFileRadio" the sound would not work as shown on the terminal printout and the attached screenshot. Note that a radio created from the configFileRadio works fine except for the cluster access.

```
gvj@gvj-Mint ~/Programs/quisk-4.0.1 $ python quisk.py
open_wav failed
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Pulseaudio threaded mainloop started
Connected to gvj-Mint
Context Terminatedgvj@gvj-Mint ~/Programs/quisk-4.0.1 $
```

You may wish to add a cosmetic carriage return after "Context Terminated" on last line.

Thanks yet again for the work you are putting into this great project.

73, Graeme zl2apv

1950. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-25 21:56:43 UTC
From: gvjury@...
Topic: 1949 Message: 1950

Number 2 needs some more clarification. There is no spectrum displayed when the radio starts up so it is not getting IQ info.

Graeme

1951. RE: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-11-26 11:59:49 UTC
From: jahlstr@...
Topic: 1893 Message: 1951

You can't do that now, but I can add it to my feature list.

Jim
N2ADR

1952. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-26 12:11:35 UTC
From: jahlstr@...
Topic: 1949 Message: 1952

Hello,

This line:

File "./dxcluster.py", line 111, in telnetConnect
self.tn.write(conf.user_call_sign + "\n")

makes me think there are garbage characters in your call sign. Go to the radios/Remote screen, and re-enter your "Call sign for Dx cluster". Or, look in the file quisk_settings.json and see what value user_call_sign has. Or just send me the file quisk_settings.json.

Jim
N2ADR

1953. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-26 12:15:01 UTC
From: jahlstr@...
Topic: 1949 Message: 1953

Hello,

2.
When starting from the "configFileRadio"

When starting from ConfigFileRadio, the new Quisk features are not used. Please check the sound device names. Or send me your config file.

Jim
N2ADR

1954. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 09:01:02 UTC
From: g0izm@...
Topic: 1949 Message: 1954

Thanks Jim - 4.0.1 fixed the error messages & I can now create radios & edit them.

I am though now seeing the same Cluster problem as Graeme. It was working fine whilst I was solely using .quisk_conf.py, but I now get a pop-up on start (every time quisk starts in fact):

```
Exception in thread Thread-2:
Traceback (most recent call last):
File "/usr/lib/python2.7/threading.py", line 810, in __bootstrap_inner
self.run()
File "./dxcluster.py", line 91, in run
self.telnetConnect()
File "./dxcluster.py", line 111, in telnetConnect
self.tn.write(conf.user_call_sign + "\n")
File "/usr/lib/python2.7/telnetlib.py", line 280, in write
if IAC in buffer:
UnicodeDecodeError: 'ascii' codec can't decode byte 0xff in position 0: ordinal not in
range(128)
```

I can't see that I have any incorrect characters in my callsign entry and I've put a copy of my config file here: https://dl.dropboxusercontent.com/u/20001316/quisk_settings.json https://dl.dropboxusercontent.com/u/20001316/quisk_settings.json

73
Ian

1955. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 14:47:52 UTC
From: g0izm@...
Topic: 1949 Message: 1955

Ah... It works if I change dxcluster.py like this:

```
def telnetConnect(self):
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
self.tn.read_until('login:', 10)
# self.tn.write(conf.user_call_sign + "\n")
self.tn.write("G0IZM\n")
if conf.dxClPassword:
self.self.tn.read_until("Password: ")
self.tn.write(conf.dxClPassword + "\n")
```

1956. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 20:49:03 UTC
From: gvjury@...
Topic: 1949 Message: 1956

I wish I had spent some time learning Python but it seems to me there may be a bug in the code around line 112 of dxcluster.py which reads self.self.tn.read_until("Password: ") and I think should be self.tn.read_until("Password: "). It works for me if I make this change.

```
def telnetConnect(self):
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
self.tn.read_until('login:', 10)
self.tn.write(conf.user_call_sign + "\n")
# self.tn.write("ZL2APV\n")
if conf.dxClPassword:
# self.self.tn.read_until("Password: ")
self.tn.read_until("Password: ")
self.tn.write(conf.dxClPassword + "\n")
```

Thanks to Ian g0izm for pointing me to here.

73, Graeme zl2apv

1957. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 22:28:06 UTC
From: gvjury@...
Topic: 1949 Message: 1957

A bit more testing reveals that although changing the line
self.self.tn.read_until("Password: ") to self.tn.read_until("Password: ") fixes the the problem of Python "None" not reading, it still does not allow logging into the cluster. It is still necessary to set dxClPassword": to blank so the ...

```
if conf.dxClPassword:
# self.self.tn.read_until("Password: ")
self.tn.read_until("Password: ")
self.tn.write(conf.dxClPassword + "\n")
```

is skipped and nothing is sent.

Graeme

1958. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 22:34:16 UTC
From: g0izm@...
Topic: 1949 Message: 1958

Agreed - I don't have a password set so haven't run in to that one. It's just the complaint about conf.user_call_sign that's causing me problems.

As far as I can see the variable is fine: its contents look identical to the callsign I hard-coded in. Maybe there's some wierd Unicode problem going on.

1959. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 22:53:14 UTC
From: g0izm@...
Topic: 1949 Message: 1959

Graeme I think you're right. I don't have a password set though so for me that line won't get executed.

What I don't understand so far is why it's complaining about conf.user_call_sign. It just contains my callsign as expected - I checked with an IF statement and as far as Python's concerned it's identical to the hard-coded value I typed in. Some wierd unicode thing..?

1960. Re: [n2adr-sdr] Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-27 23:03:36 UTC
From: Graeme Jury
Topic: 1949 Message: 1960

On 28/11/15 11:53, g0izm@... [n2adr-sdr] wrote:
>
> Graeme I think you're right. I don't have a password set though so for
> me that line won't get executed.
>
> What I don't understand so far is why it's complaining about
> conf.user_call_sign. It just contains my callsign as expected - I
> checked with an IF statement and as far as Python's concerned it's
> identical to the hard-coded value I typed in. Some wierd unicode thing..?
>
>
Hi Ian, Yes it seems that sending log in info via the telnet library may
be an issue. Stuff being received or sent via the library is fine once
you have successfully logged in. I know I ran into problems with Qt
whereby ascii characters were sent as 8 bit chars to software which
expected 7 bit chars so they needed to be streamed through a function to
strip off the 8th bit. Maybe it is something like this here.

1961. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-28 12:35:01 UTC
From: jahlstr@...
Topic: 1949 Message: 1961

I agree "self.self" is a bug. I will make the change.

Jim

1962. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-28 13:12:44 UTC
From: jahlstr@...
Topic: 1949 Message: 1962

Your quisk_settings.json looks correct. Maybe the string is a Unicode string, and the telnet library can't deal with it. Perhaps you could try:

```
def telnetConnect(self):
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
self.tn.read_until('login:', 10)
self.tn.write(str(conf.user_call_sign + "\n")) # Add str() here
```

to convert
conf.user_call_sign + "\n"
to a string. You could also try entering a line like this

```
print (type(conf.user_call_sign))
```

to see what the type of conf.user_call_sign is.

Jim
N2ADR

1963. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-28 13:28:33 UTC
From: jahlstr@...
Topic: 1949 Message: 1963

Never mind, I see what is happening. The JSON file that holds settings is returning Unicode strings instead of regular Python non-Unicode strings, and these are not acceptable for the Telnet module. I am not sure what to do about this, but I will do something for the next release (soon). Meanwhile change:

```
def telnetConnect(self):
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
self.tn.read_until('login:', 10)
self.tn.write(str(conf.user_call_sign + "\n")) # Must add str() here
```

You must add str() to the last line shown to convert Unicode to ASCII.

Jim
N2ADR

1964. Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-28 16:48:05 UTC
From: g0izm@...
Topic: 1949 Message: 1964

Thanks again Jim - that's working fine now.

Ian

1965. Re: [n2adr-sdr] Re: Quisk-4.0.1

Yahoo group: n2adr-sdr
Date: 2015-11-29 00:41:29 UTC
From: Graeme Jury
Topic: 1949 Message: 1965

Thanks Jim,

All working fine now. Lines 108 to 114 now read in my dxcluster.py file ...

```
def telnetConnect(self):
self.tn.open(conf.dxClHost, conf.dxClPort, 10)
self.tn.read_until('login:', 10)
self.tn.write(str(conf.user_call_sign + "\n")) # Must add
str() here
if conf.dxClPassword:
self.tn.read_until("Password: ")
self.tn.writestr((conf.dxClPassword + "\n"))
```

I did the same thing with the last line but have not been able to test
it as I don't have a password set for my cluster access but at least it
does not throw up a compile error.

73, Graeme zl2apv

On 29/11/15 02:28, jahlstr@... [n2adr-sdr] wrote:
>
> Never mind, I see what is happening. The JSON file that holds
> settings is returning Unicode strings instead of regular Python
> non-Unicode strings, and these are not acceptable for the Telnet
> module. I am not sure what to do about this, but I will do something
> for the next release (soon). Meanwhile change:
>
>
> def telnetConnect(self):
> self.tn.open(conf.dxClHost, conf.dxClPort, 10)
> self.tn.read_until('login:', 10)
> self.tn.write(str(conf.user_call_sign + "\n"))# Must add str() here
>
> You must add str() to the last line shown to convert Unicode to ASCII.
>
> Jim
> N2ADR
>

1966. Quisk 3.7.7 Display Question

Yahoo group: n2adr-sdr
Date: 2015-12-01 18:31:13 UTC
From: w6jhb@...
Topic: 1966 Message: 1966

Didn't see this one in the documentation, so asking here. I have a SoftRock Ensemble RXTX transmitting via Quisk 3.7.7 on my Raspberry Pi, and it appears to be working quite well. Monitoring the signal on an Elecraft KX3 shows a nice clean signal on 30 meters. However, I notice that at the beginning of a key-down, the frequency display in Quisk changes from black numbers on a white background to black numbers on a magenta background. If I hold the key down, the white background re-appears after a second or so. Is this normal or something I need to fix somewhere?

Jim / W6JHB

1967. RE: [n2adr-sdr] Quisk 3.7.7 Display Question

Yahoo group: n2adr-sdr
Date: 2015-12-01 22:04:36 UTC
From: MIKE DURKIN
Topic: 1966 Message: 1967

sounds like RF getting into the display to me .....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 1 Dec 2015 10:31:13 -0800
Subject: [n2adr-sdr] Quisk 3.7.7 Display Question

Didn't see this one in the documentation, so asking here. I have a SoftRock Ensemble RXTX transmitting via Quisk 3.7.7 on my Raspberry Pi, and it appears to be working quite well. Monitoring the signal on an Elecraft KX3 shows a nice clean signal on 30 meters. However, I notice that at the beginning of a key-down, the frequency display in Quisk changes from black numbers on a white background to black numbers on a magenta background. If I hold the key down, the white background re-appears after a second or so. Is this normal or something I need to fix somewhere?

Jim / W6JHB

1968. Re: [n2adr-sdr] Quisk 3.7.7 Display Question

Yahoo group: n2adr-sdr
Date: 2015-12-01 22:20:45 UTC
From: James Bennett
Topic: 1966 Message: 1968

Only in the frequency display box?

Jim Bennett / W6JHB
Folsom, CA

> On Dec 1, 2015, at 2:04 PM, MIKE DURKIN Patriot121@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>
> sounds like RF getting into the display to me .....
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@...m
> Date: Tue, 1 Dec 2015 10:31:13 -0800
> Subject: [n2adr-sdr] Quisk 3.7.7 Display Question
>
>
>
> Didn't see this one in the documentation, so asking here. I have a SoftRock Ensemble RXTX transmitting via Quisk 3.7.7 on my Raspberry Pi, and it appears to be working quite well. Monitoring the signal on an Elecraft KX3 shows a nice clean signal on 30 meters. However, I notice that at the beginning of a key-down, the frequency display in Quisk changes from black numbers on a white background to black numbers on a magenta background. If I hold the key down, the white background re-appears after a second or so. Is this normal or something I need to fix somewhere?
>
>
> Jim / W6JHB
>
>

1969. RE: [n2adr-sdr] Quisk 3.7.7 Display Question

Yahoo group: n2adr-sdr
Date: 2015-12-01 22:29:17 UTC
From: MIKE DURKIN
Topic: 1966 Message: 1969

Oh .. that's a warning that an overload was measured ...

Usally when i Tx the display freezes untill the changeover to Rx ... iv seen it a few times ... never really worry about it

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 1 Dec 2015 14:20:45 -0800
Subject: Re: [n2adr-sdr] Quisk 3.7.7 Display Question

Only in the frequency display box?

Jim Bennett / W6JHBFolsom, CA
On Dec 1, 2015, at 2:04 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

sounds like RF getting into the display to me .....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 1 Dec 2015 10:31:13 -0800
Subject: [n2adr-sdr] Quisk 3.7.7 Display Question

Didn't see this one in the documentation, so asking here. I have a SoftRock Ensemble RXTX transmitting via Quisk 3.7.7 on my Raspberry Pi, and it appears to be working quite well. Monitoring the signal on an Elecraft KX3 shows a nice clean signal on 30 meters. However, I notice that at the beginning of a key-down, the frequency display in Quisk changes from black numbers on a white background to black numbers on a magenta background. If I hold the key down, the white background re-appears after a second or so. Is this normal or something I need to fix somewhere?

Jim / W6JHB

1970. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-03 22:58:42 UTC
From: jahlstr@...
Topic: 1893 Message: 1970

There is a new Quisk 4.0.2. This is mostly a bugfix release. It fixes problems with the DX cluster telnet server. It adds additional PulseAudio features provided by Eric Thornton. Thanks Eric!

Jim
N2ADR

1971. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-04 02:54:57 UTC
From: Eric Thornton
Topic: 1893 Message: 1971

You can now add "pulse_audio_verbose_output = 1" to your .quisk_conf.py file, and lots of helpful pulse audio debugging info will be displayed. If you are experiencing issues with pulse audio, this can help us figure them out without having to recompile from source.

I also removed a line that was resulting in latency on the IQ device if the computer was under heavy load.

Eric
km4dsj

On Thu, Dec 3, 2015 at 5:58 PM, jahlstr@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> There is a new Quisk 4.0.2. This is mostly a bugfix release. It fixes
> problems with the DX cluster telnet server. It adds additional PulseAudio
> features provided by Eric Thornton. Thanks Eric!
>
> Jim
> N2ADR
>
>
>

1972. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-04 14:39:47 UTC
From: jahlstr@...
Topic: 1893 Message: 1972

This setting "pulse_audio_verbose_output = 1" is also available on the radio options screen with the name "Debug PulseAudio".

Jim

1973. Quisk and SoapySDR

Yahoo group: n2adr-sdr
Date: 2015-12-07 21:31:46 UTC
From: frspin@...
Topic: 1973 Message: 1973

I am studying Quisk for interfacing it to SoapySDR, a "neutral" library for different SDR receivers.

SoapySDR have a C API, a C++ API and a Python API and don't use a sound card or UDP for I/Q samples. See https://github.com/pothosware/SoapySDR https://github.com/pothosware/SoapySDR for source of this library.

I suppose I can use Python API in my quisk_hardware version for controlling SoapySDR (frequency, gain, etc.)

From sdriqpkg I can see the usage of quisk_sample_source() C function defining start, stop and read functions.

It is a "C only" solution?
And can I use C API for this definition and Python API for all other requirements?

Regards

Franco Spinelli
IW2DHW

1974. Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-08 08:23:18 UTC
From: alex@...
Topic: 1974 Message: 1974

Hello All,
Wandering does someone has success to run Qusik on MAC OS X El Capitan?
I can successfully install and compile Qusik 3.. and 4.0.0 on my MAC, I can even to start it, but :
- No waterfall or spectrum
- no any interrupts I can see in Configuration tab
I am tested Qusik with configuration for different hardware (Softrock, Hermes, AFEDRi SDR - with external plugin etc.) same results, In same time there is no any problem to run Quisk with same hardware under Windows or Linux..

Additional question which names in .qusik_conf.py you are using for Sound cards?

73!
Alex

1975. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-08 16:28:50 UTC
From: Eric Thornton
Topic: 1974 Message: 1975

Alex,

I'm using quisk with osx Mavericks. It should work with el Capitan. I would suggest installing the dependencies via macports and then selecting the macports version on python. This is done with "sudo port select python". Then run quisk from the folder with "python quisk". To build with macports dependencies, type "make macports" in the quisk folder.

I am using pulseaudio built from macports and it works well for channeling sound between programs. Unfortunately there is no pavucontrol so selecting streams for programs like fldigi and wsjtx have to be done with pacmd.

Let me know if this helps. I plan on making quisk a macports port, but have been busy with work lately. Maybe in a couple weeks over Christmas I'll have time to work on it.

Eric

Hello All,
Wandering does someone has success to run Qusik on MAC OS X El Capitan?
I can successfully install and compile Qusik 3.. and 4.0.0 on my MAC, I can even to start it, but :
- No waterfall or spectrum
- no any interrupts I can see in Configuration tab
I am tested Qusik with configuration for different hardware (Softrock, Hermes, AFEDRi SDR - with external plugin etc.) same results, In same time there is no any problem to run Quisk with same hardware under Windows or Linux..

Additional question which names in .qusik_conf.py you are using for Sound cards?

73!

Alex

1976. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-08 19:12:06 UTC
From: alex@...
Topic: 1974 Message: 1976

Eric, Thanks for the feedback.
1. I am using Homebrew to manage and install ports for MAC
2. make macports finishing successfully (after changing paths from /opt/local/... to /usr/local/...)
3. I can start Quisk, but it is hanging ,
Sample interrupts is zero.

I have also next message:

W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible because PulseAudio was built without capabilities support.

By the way I know that Apple is frequently changing some API from version to version, so it is not always compatible and things that worked in the older version can fail on newest .

I am new in MAC OS X, so not sure what is the problem

73!
Alex

1977. install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-08 20:57:58 UTC
From: MIKE DURKIN
Topic: 1977 Message: 1977

OK .. guess what ...

I know for a fact that you can NOT install latest quisk after using the softwarecenter to install quisk ....

we need a list of prerequisites for Linux installs .....

I just loaded Ubuntu15 on a dual core Atom 32bit all in wonder .... so its very fresh.

1978. Re: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-09 02:01:54 UTC
From: Sid Boyce
Topic: 1977 Message: 1978

So it doesn't pull in all the pre-reqs which should be the same for all versions of quisk -- what's missing?

On 15.10
---
root@sdrbox:~# aptitude show quisk
Package: quisk
State: not installed
Version: 3.6.18-2
Priority: optional
Section: universe/hamradio
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
Architecture: amd64
Uncompressed Size: 1,124 k
Depends: python (>= 2.7), python (< 2.8), libasound2 (>= 1.0.16), libc6 (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113), libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
Recommends: alsa-utils, python-serial, python-usb, udev
Conflicts: quisk
Description: Software Defined Radio (SDR)

Homepage: http://james.ahlstrom.name/quisk/
73 ... Sid.

On 08/12/15 20:57, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> OK .. guess what ...
>
> I know for a fact that you can NOT install latest quisk after using
> the softwarecenter to install quisk ....
>
> we need a list of prerequisites for Linux installs .....
>
> I just loaded Ubuntu15 on a dual core Atom 32bit all in wonder .... so
> its very fresh.
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

1979. RE: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-09 02:15:32 UTC
From: MIKE DURKIN
Topic: 1977 Message: 1979

Going from memory ...

Something about not finding python.h

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Wed, 9 Dec 2015 02:01:54 +0000
> Subject: Re: [n2adr-sdr] install quisk on new system
>
> So it doesn't pull in all the pre-reqs which should be the same for all
> versions of quisk -- what's missing?
>
> On 15.10
> ---------------
> root@sdrbox:~# aptitude show quisk
> Package: quisk
> State: not installed
> Version: 3.6.18-2
> Priority: optional
> Section: universe/hamradio
> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
> Architecture: amd64
> Uncompressed Size: 1,124 k
> Depends: python (>= 2.7), python (< 2.8), libasound2 (>= 1.0.16), libc6
> (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113),
> libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
> Recommends: alsa-utils, python-serial, python-usb, udev
> Conflicts: quisk
> Description: Software Defined Radio (SDR)
>
> Homepage: http://james.ahlstrom.name/quisk/
> 73 ... Sid.
>
> On 08/12/15 20:57, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > OK .. guess what ...
> >
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> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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1980. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-09 02:31:12 UTC
From: Eric Thornton
Topic: 1974 Message: 1980

Alex,

For versions 4.0 and >, this would be normal behavior with no radios configured. Are you using an existing .quisk_conf.py file? On Linux systems, quisk will fall back to an Alsa device with no configuration present. On OSX, we don’t have Alsa to fall back on, so the program doesn’t do anything until a pulse audio device is selected and quisk is restarted.

Try going to the configure tab and configuring a new radio to use the pulse audio devices available on your system. Alternatively, you can use the command pacmd such as “pacmd list-sinks” or “pacmd list-sources” to see what is available and add them to your config file.

The note about “caps.c Normally all blah blah” is normal and seems related to the macports configuration.

Let me know if this makes sense.

Eric

On Dec 8, 2015, at 2:12 PM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Eric,
>
> Thanks for the feedback.
> 1. I am using Homebrew to manage and install ports for MAC
> 2. make macports finishing successfully (after changing paths from /opt/local/... to /usr/local/...)
> 3. I can start Quisk, but it is hanging ,
> Sample interrupts is zero.
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> I have also next message:
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> W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible because PulseAudio was built without capabilities support.
>
> ---
>
>
>
> By the way I know that Apple is frequently changing some API from version to version, so it is not always compatible and things that worked in the older version can fail on newest .
>
> I am new in MAC OS X, so not sure what is the problem
>
> 73!
> Alex

>
>

1981. RE: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-09 07:24:16 UTC
From: MIKE DURKIN
Topic: 1977 Message: 1981

Might be the way that gcc that came with Ubuntu15 searches for stuff ...
gcc 5.2.1 is installed

```
uhfsdr@uhfsdr-sdr:~/Downloads/quisk4$ sudo make
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
i686-linux-gnu-gcc
-pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -D_FORTIFY_SOURCE=2 -g -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c
quisk.c -o build/temp.linux-i686-2.7/quisk.o
quisk.c:1:20: fatal error: Python.h: No such file or directory
compilation terminated.
error: command 'i686-linux-gnu-gcc' failed with exit status 1
makefile:3: recipe for target 'all' failed
make: *** [all] Error 1
uhfsdr@uhfsdr-sdr:~/Downloads/quisk4$
```

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Wed, 9 Dec 2015 02:01:54 +0000
> Subject: Re: [n2adr-sdr] install quisk on new system
>
> So it doesn't pull in all the pre-reqs which should be the same for all
> versions of quisk -- what's missing?
>
> On 15.10
> ---------------
> root@sdrbox:~# aptitude show quisk
> Package: quisk
> State: not installed
> Version: 3.6.18-2
> Priority: optional
> Section: universe/hamradio
> Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
> Architecture: amd64
> Uncompressed Size: 1,124 k
> Depends: python (>= 2.7), python (< 2.8), libasound2 (>= 1.0.16), libc6
> (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113),
> libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
> Recommends: alsa-utils, python-serial, python-usb, udev
> Conflicts: quisk
> Description: Software Defined Radio (SDR)
>

> Homepage: http://james.ahlstrom.name/quisk/
> 73 ... Sid.
>
> On 08/12/15 20:57, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] wrote:
> >
> > OK .. guess what ...
> >
> > I know for a fact that you can NOT install latest quisk after using
> > the softwarecenter to install quisk ....
> >
> > we need a list of prerequisites for Linux installs .....
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> > I just loaded Ubuntu15 on a dual core Atom 32bit all in wonder .... so
> > its very fresh.
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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1982. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-09 07:37:13 UTC
From: alex@...
Topic: 1974 Message: 1982

Eric,
May be I have problem with Pulseaudio, because none of pulse audio device is listed in Quisk, but existing sound cards appears with name alsa:"bla...bla..bla"

But exactly the same problem I see when running Quisk 3.7.8.

I am using quisk_conf.py - that is perfect working on Linux (and some modified on Windows too), for sure I tried to play with sound card names in config file, for example to using portaudio names or Windows stile names - no results.
By the I am wandering why there is no support for portaudio devices?
Portaudio port is working on MAC OS X, may be portaudio is disabled for MAC in Quisk?

For example I can use (compile) portaudio device with Linrad (or my own utilities), without problem (I do not take in account MAC OS X future audio API deprecation warnings).

73!
Alex

1983. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-09 10:09:23 UTC
From: alex@...
Topic: 1974 Message: 1983

Now I can give some more input data. I can conclude that somewhere inside code quasi is hanging, do not know where exactly, but I found next things when starting Quisk:
1. When configuring to portaudio I can listen decoded audio (but no waterfall or spectrum graph) - during short time when I make click on any buttons :-)
2. If I will press S-meter list box menu - I can listen uninterrupted decoded audio (but no waterfall or spectrum graph) till I hold this list box activated.

3. Once I had success to start Quisk and it was functioning normally including waterfall and spectrum graph !

Why it was running ok? - I do not know, did not found any causes why quick decided to start normally this time - always using the same config quick_conf.py located in user's folder. After closing this successful quisk instance - next start was problematic exactly like described above.
4. Additional signs - when quick has problem to run - I cannot close application just pressing X in left top graphic window, also have to press Ctrl-C in terminal to finally close (kill) application.
One time when Qusik was started successfully - application was also successfully closed with "X" button.

5. Using:
portaduio#2 - as input, portaudiodefault as output.

Is there any idea where to look for possible hanging thread that stops reception?

73!
Alex

1984. Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-09 15:23:28 UTC
From: jahlstr@...
Topic: 1893 Message: 1984

There is a new Quisk 4.0.3. This is mostly a bugfix release. It changes Unicode JSON strings to ASCII. It adds additional PulseAudio features provided by Eric Thornton. Thanks Eric!

Jim
N2ADR

1985. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-09 16:16:02 UTC
From: alex@...
Topic: 1974 Message: 1985
Attachments: 2 described; binary payloads are missing from this source WARC

Just tried Qusik 4.03 - the same results, below is two screenshots:

I want to remind if I press some button on press list box of S-Meter (or any other)
I can listed decoded station (SSB or AM or FM), but not Waterfall or spectrum (see my screenshots).

Any idea where is the process is hanging?
How can I test where is stop?

73!
Alex

1986. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-09 16:14:47 UTC
From: Rune Øye
Topic: 1893 Message: 1986

Hi All,
Is there any plans to implement CAT command (I.E Kenwood TS480 protocol)

73 Rune LA7THA

On Wednesday, 9 December 2015, 16:23, "jahlstr@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:

  There is a new Quisk 4.0.3. This is mostly a bugfix release. It changes Unicode JSON strings to ASCII. It adds additional PulseAudio features provided by Eric Thornton.
 Thanks Eric!
JimN2ADR

1987. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11) [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-12-09 17:31:04 UTC
From: Eric Thornton
Topic: 1974 Message: 1987

Alex,

Can you post your configuration file. Also, please add pulse_audio_verbose_output = 1 to your config file and post terminal output. Also post results of "pacmd list". Sounds like pulseaudio is not starting correctly.

Thanks.

Eric
On Dec 9, 2015 11:16 AM, "alex@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Just tried Qusik 4.03 - the same results, below is two screenshots:
>
> I want to remind if I press some button on press list box of S-Meter (or any other)
> I can listed decoded station (SSB or AM or FM), but not Waterfall or spectrum (see my screenshots).
>
> Any idea where is the process is hanging?
> How can I test where is stop?
>
> 73!
> Alex
>
>

1988. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11) [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-12-09 18:20:05 UTC
From: alex@...
Topic: 1974 Message: 1988

Eric, Below in my message you will find quote from my config file. But I see that you missed my explanation - I do not use (and prefer not to use at all) Pulse audio (I do not use/like pulse audio interface also on Linux).
I want to use port audio interface and according my test it must perfectly work on MAC OS 10.11, but some process is frozen.
By the way I do not think my problem has connection to audio interface (because I can receive IQ data from USB sound card and listen decoded through MAC sound card) when I press any of list box of Quisk. So to find which process is frozen in Quisk I need more information how thread are managed and how to find frozen thread.

```
#---------------------- .quisk_conf.py ---------------------
from afedriusb import quisk_hardware sample_rate = 192000 name_of_sound_capt =
"portaudio#2" name_of_sound_play = "portaudiodefault" default_rf_gain = 14 default_screen
= 'WFall'
playback_rate = 48000 #--------------------------------------------------
```

1990. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11) [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2015-12-09 19:50:09 UTC
From: alex@...
Topic: 1974 Message: 1990

Eric, Is your OS X Mavericks 64-bit or 32-bit ?

1991. Re: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-10 00:28:31 UTC
From: Sid Boyce
Topic: 1977 Message: 1991

Ah, I see, the package from the repo is already built so it doesn't need
python2.7-dev which supplies Python.h and I suppose the other -dev packages.

On a fresh install I install all the pre-reqs needed for ghpsdr3-alex,
then for quisk
"apt-get install libfftw3-dev libasound2-dev libportaudio2
portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev"
73 ... Sid.

On 09/12/15 07:24, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Might be the way that gcc that came with Ubuntu15 searches for stuff ...
> gcc 5.2.1 is installed
>
>
> uhfsdr@uhfsdr-sdr:~/Downloads/
> quisk4$ sudo make
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> i686-linux-gnu-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -D_FORTIFY_SOURCE=2 -g
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-i686-2.7/quisk.o
> quisk.c:1:20: fatal error: Python.h: No such file or directory
> compilation terminated.
> error: command 'i686-linux-gnu-gcc' failed with exit status 1
> makefile:3: recipe for target 'all' failed
> make: *** [all] Error 1
> uhfsdr@uhfsdr-sdr:~/Downloads/quisk4$
>
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Wed, 9 Dec 2015 02:01:54 +0000
> > Subject: Re: [n2adr-sdr] install quisk on new system
> >
> > So it doesn't pull in all the pre-reqs which should be the same for all
> > versions of quisk -- what's missing?
> >
> > On 15.10
> > ---------------
> > root@sdrbox:~# aptitude show quisk
> > Package: quisk

> > State: not installed
> > Version: 3.6.18-2
> > Priority: optional
> > Section: universe/hamradio
> > Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
> > Architecture: amd64
> > Uncompressed Size: 1,124 k
> > Depends: python (>= 2.7), python (< 2.8), libasound2 (>= 1.0.16), libc6
> > (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113),
> > libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
> > Recommends: alsa-utils, python-serial, python-usb, udev
> > Conflicts: quisk
> > Description: Software Defined Radio (SDR)
> >
> > Homepage: http://james.ahlstrom.name/quisk/
> > 73 ... Sid.
> >
> > On 08/12/15 20:57, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > >
> > > OK .. guess what ...
> > >
> > > I know for a fact that you can NOT install latest quisk after using
> > > the softwarecenter to install quisk ....
> > >
> > > we need a list of prerequisites for Linux installs .....
> > >
> > > I just loaded Ubuntu15 on a dual core Atom 32bit all in wonder
> .... so
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1992. RE: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-10 07:07:11 UTC
From: MIKE DURKIN
Topic: 1977 Message: 1992

ok .. with that and the apt-get install from ghpsdr3-alex -- except qt -- quisk is now working

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 10 Dec 2015 00:28:31 +0000
> Subject: Re: [n2adr-sdr] install quisk on new system
>
> Ah, I see, the package from the repo is already built so it doesn't need
> python2.7-dev which supplies Python.h and I suppose the other -dev packages.
>
> On a fresh install I install all the pre-reqs needed for ghpsdr3-alex,
> then for quisk
> "apt-get install libfftw3-dev libasound2-dev libportaudio2
> portaudio19-dev libncurses5-dev libwxbase2.8-0 libwxgtk2.8-0
> python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev"
> 73 ... Sid.
>
> On 09/12/15 07:24, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >
> > Might be the way that gcc that came with Ubuntu15 searches for stuff ...
> > gcc 5.2.1 is installed
> >
> >
> > uhfsdr@uhfsdr-sdr:~/Downloads/
> > quisk4$ sudo make
> > python setup.py build_ext --force --inplace
> > running build_ext
> > building 'quisk._quisk' extension
> > i686-linux-gnu-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -D_FORTIFY_SOURCE=2 -g
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-i686-2.7/quisk.o
> > quisk.c:1:20: fatal error: Python.h: No such file or directory
> > compilation terminated.
> > error: command 'i686-linux-gnu-gcc' failed with exit status 1
> > makefile:3: recipe for target 'all' failed
> > make: *** [all] Error 1
> > uhfsdr@uhfsdr-sdr:~/Downloads/quisk4$
> >
> >
> > > To: n2adr-sdr@yahoogroups.com
> > > From: n2adr-sdr@yahoogroups.com
> > > Date: Wed, 9 Dec 2015 02:01:54 +0000
> > > Subject: Re: [n2adr-sdr] install quisk on new system

> > >
> > > So it doesn't pull in all the pre-reqs which should be the same for all
> > > versions of quisk -- what's missing?
> > >
> > > On 15.10
> > > ---------------
> > > root@sdrbox:~# aptitude show quisk
> > > Package: quisk
> > > State: not installed
> > > Version: 3.6.18-2
> > > Priority: optional
> > > Section: universe/hamradio
> > > Maintainer: Ubuntu Developers <ubuntu-devel-discuss@...>
> > > Architecture: amd64
> > > Uncompressed Size: 1,124 k
> > > Depends: python (>= 2.7), python (< 2.8), libasound2 (>= 1.0.16), libc6
> > > (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113),
> > > libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
> > > Recommends: alsa-utils, python-serial, python-usb, udev
> > > Conflicts: quisk
> > > Description: Software Defined Radio (SDR)
> > >
> > > Homepage: http://james.ahlstrom.name/quisk/
> > > 73 ... Sid.
> > >
> > > On 08/12/15 20:57, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > > >
> > > > OK .. guess what ...
> > > >
> > > > I know for a fact that you can NOT install latest quisk after using
> > > > the softwarecenter to install quisk ....
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> > > > we need a list of prerequisites for Linux installs .....
> > > >
> > > > I just loaded Ubuntu15 on a dual core Atom 32bit all in wonder
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1993. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-10 07:21:39 UTC
From: Eric Thornton
Topic: 1974 Message: 1993

Alex,

OK. Sorry I've been super busy at work (just getting home) and was trying to help by skimming and missed that you are trying to use PORTaudio.

The "make macports" target will only build in pulse audio dependencies now. I tried adding in sound_pulseaudio.c just for giggles and it died complaining of duplicate symbols. I know I ran into that earlier and tried to keep it so that if someone running OSX wanted to use port audio (or non macports dependencies for that matter), they could modify setup.py and run "make" for their own configuration.

I would love to jump in tonight and fix this, but I need to get a couple hours sleep before going back to work again tomorrow. I can take a longer look at it this weekend, probably sunday afternoon. I think the proper way to fix this is to supply an option to the make command, specifying which audio devices to build in. Or, I can just make port audio a full time dependency on OSX.

On a side note: Have you tried the pulse audio interface? I used to think pulse audio was added complication to an already complicated audio system, but after working with it I've come to prefer it. We've made big strides in getting the bugs out and the latency down. I'm not much of a salesman (which is why I went into engineering) but give it a shot!

Eric

2015-12-09 14:50 GMT-05:00 alex@4z5lv.net [n2adr-sdr] <
n2adr-sdr@yahoogroups.com>:

>
>
> Eric,
> Is your OS X Mavericks 64-bit or 32-bit ?
>
>
>

1994. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-10 09:09:22 UTC
From: alex@...
Topic: 1974 Message: 1994

Eric,
Please pay attention that on my system (I am using Homebrew not macports), I need to make only one thing - to correct path to ports library and includes in setup.py from /opt/local to /usr/local

After that Compilation "make macports" is running perfectly (on every Quisk version I tried 3.7.8 , 4.0.0, 4.0.3), there is no errors at all.

I maid some modification on 4.0.0 and completely deleted everything related to pulseaudio , same result - Quisk starting and frozen in non audio/non waterfall state till I activate some list box menu, after menu activation - I can listen decoded audio, but no waterfall.

I have no tested pulseaudio yet - it deny to start on my system , but in any case even if it is starting - I remove/delete everything related to pulseaudio even from my linux systems, may be it is good for network audio streaming , but too over-complicated for local audio..

I also suppose that best way - will be to use native for MAC OS X CoreAudio API, there is chance that in this case we will have best latency with embedded sound card.

If someone can shortly explain to me how Quisk threads are managed and how I can find which/where is frozen, so it will make easier to track this problem to me.
73!

1995. Re: [n2adr-sdr] install quisk on new system

Yahoo group: n2adr-sdr
Date: 2015-12-10 12:19:21 UTC
From: Sid Boyce
Topic: 1977 Message: 1995

Thanks Mike,
I knew if there was a hole you would find it.

Looking back at a README_G7VAC.txt I prepared for my pal Vic when he
first got his RXTX and had problems getting quisk from the repo to work,
I had to add those packages to get a later quisk version built.
ghpsdr3-alex adds a number of packages that are useful for building
other apps.

Keeps us on our toes.
73 ... Sid.

On 10/12/15 07:07, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> ok .. with that and the apt-get install from ghpsdr3-alex -- except qt
> -- quisk is now working
>
>
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 10 Dec 2015 00:28:31 +0000
> > Subject: Re: [n2adr-sdr] install quisk on new system
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> > python-wxgtk2.8 python-wxversion libusb-dev python2.7-dev"
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> > > uhfsdr@uhfsdr-sdr:~/Downloads/
> > > quisk4$ sudo make
> > > python setup.py build_ext --force --inplace

> > > running build_ext
> > > building 'quisk._quisk' extension
> > > i686-linux-gnu-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > > -Wstrict-prototypes -fno-strict-aliasing -D_FORTIFY_SOURCE=2 -g
> > > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
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> build/temp.linux-i686-2.7/quisk.o
> > > quisk.c:1:20: fatal error: Python.h: No such file or directory
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> > > > To: n2adr-sdr@yahoogroups.com
> > > > From: n2adr-sdr@yahoogroups.com
> > > > Date: Wed, 9 Dec 2015 02:01:54 +0000
> > > > Subject: Re: [n2adr-sdr] install quisk on new system
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> > > > root@sdrbox:~# aptitude show quisk
> > > > Package: quisk
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> > > > Version: 3.6.18-2
> > > > Priority: optional
> > > > Section: universe/hamradio
> > > > Maintainer: Ubuntu Developers
> <ubuntu-devel-discuss@...>
> > > > Architecture: amd64
> > > > Uncompressed Size: 1,124 k
> > > > Depends: python (>= 2.7), python (< 2.8), libasound2 (>=
> 1.0.16), libc6
> > > > (>= 2.15), libfftw3-double3, libportaudio2 (>= 19+svn20101113),
> > > > libpulse0 (>= 1:0.99.1), libusb-0.1-4 (>= 2:0.1.12), python-wxgtk3.0
> > > > Recommends: alsa-utils, python-serial, python-usb, udev
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> > > > On 08/12/15 20:57, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
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> > > > > I know for a fact that you can NOT install latest quisk after
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1996. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-10 13:32:19 UTC
From: jahlstr@...
Topic: 1974 Message: 1996

I need to know what OS and hardware you are using. I have no information.

Jim

1997. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-10 13:37:54 UTC
From: jahlstr@...
Topic: 1893 Message: 1997

Quisk can already be controlled by Hamlib and by XMLRPC. Cat control requires a serial port. Are you proposing using a serial port to control Quisk? Why aren't existing control methods adequate?

Jim
N2ADR

1998. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-10 14:00:39 UTC
From: alex@...
Topic: 1974 Message: 1998

Jim, Did you wrote this message in the wrong topic?

I am have the troubles on MacBook Pro with MAC OS X El Capitan (10.11 - 64-bit)
Trying Quisk 3.7.8, 4.0.0, 4.0.3 with AFEDRI SDR-Net in USB mode.

But SDR hardware is not issue, because AFEDRI is represented on MAC OS as USB sound card, for sure I have additional folder (for SDR control support) with quick_hardaware.py to control SDR's parameters like frequency and gain, but it can be totally disabled - same results (by the way when enabled - all controls are working fine).

Same setup is working fine on Windows and Linux OS.

73!
Alex

---In n2adr-sdr@yahoogroups.com, <jahlstr@...> wrote :

I need to know what OS and hardware you are using. I have no information.

Jim

1999. quisk and sound loop

Yahoo group: n2adr-sdr
Date: 2015-12-11 01:43:51 UTC
From: MIKE DURKIN
Topic: 1999 Message: 1999

i have the latest Quisk and i still cant get Fldigi and Quisk to pass audio anymore ....

Im currently using the monitor of the soundloop for fldigi for Rx ... thats working (just not quite right, should be able to use the loop)

The Tx on the other hand only has the sndloop (no monitor) and will show in pavucontrol that Fldigi is sending audio to the sndloop, but quisk is not resending the information to the I/Q for the Radio to Tx ...

yes Tx of radio is triggering ....

any ideas to check ... ?

2000. Re: [n2adr-sdr] quisk and sound loop

Yahoo group: n2adr-sdr
Date: 2015-12-11 01:51:29 UTC
From: Eric Thornton
Topic: 1999 Message: 2000

Hi Mike,

The method I'm most familiar with and have done all the testing with is using null sink monitor streams for passing between programs. What is a soundloop device?

Eric
On Dec 10, 2015 8:43 PM, "MIKE DURKIN Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> i have the latest Quisk and i still cant get Fldigi and Quisk to pass
> audio anymore ....
>
> Im currently using the monitor of the soundloop for fldigi for Rx ...
> thats working (just not quite right, should be able to use the loop)
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> The Tx on the other hand only has the sndloop (no monitor) and will show
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> yes Tx of radio is triggering ....
>
> any ideas to check ... ?
>
>

2001. RE: [n2adr-sdr] quisk and sound loop

Yahoo group: n2adr-sdr
Date: 2015-12-11 02:07:53 UTC
From: MIKE DURKIN
Topic: 1999 Message: 2001

snd-aloop that's in the kernel ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 10 Dec 2015 20:51:29 -0500
Subject: Re: [n2adr-sdr] quisk and sound loop

Hi Mike,
The method I'm most familiar with and have done all the testing with is using null sink monitor streams for passing between programs. What is a soundloop device?
Eric
On Dec 10, 2015 8:43 PM, "MIKE DURKIN Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

i have the latest Quisk and i still cant get Fldigi and Quisk to pass audio anymore ....

Im currently using the monitor of the soundloop for fldigi for Rx ... thats working (just not quite right, should be able to use the loop)

The Tx on the other hand only has the sndloop (no monitor) and will show in pavucontrol that Fldigi is sending audio to the sndloop, but quisk is not resending the information to the I/Q for the Radio to Tx ...

yes Tx of radio is triggering ....

any ideas to check ... ?

2002. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-11 10:48:14 UTC
From: rolin791@...
Topic: 1893 Message: 2002

Virtual COM ports is alive ! CAT is a best method for synchronisation, becose it is standart for any programms.
I think, QUISK needed CAT.

2003. Re: [n2adr-sdr] quisk and sound loop

Yahoo group: n2adr-sdr
Date: 2015-12-11 14:12:54 UTC
From: Sid Boyce
Topic: 1999 Message: 2003

snd-aloop.ko is a kernel module. When loaded it creates a virtual sound card called Loopback as shown below.

```
root@odroidu3:~# modprobe snd-aloop
root@odroidu3:~# cat /proc/asound/cards
0 [Audio ]: Built-in_Audio - Built-in Audio
Built-in Audio
1 [Device ]: USB-Audio - USB Sound Device
USB Sound Device at usb-s5p-ehci-3.2.4.4, full speed
2 [Loopback ]: Loopback - Loopback
Loopback 1
root@odroidu3:~#
```

It's specific use by quisk is desscibed in the quisk documentation.
73 ... Sid.

On 11/12/15 01:51, Eric Thornton ewthornton@... [n2adr-sdr] wrote:
> Hi Mike,
>
> The method I'm most familiar with and have done all the testing with
> is using null sink monitor streams for passing between programs. What
> is a soundloop device?
>
> Eric
>
> On Dec 10, 2015 8:43 PM, "MIKE DURKIN Patriot121@...
> <mailto:Patriot121@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> i have the latest Quisk and i still cant get Fldigi and Quisk to
> pass audio anymore ....
>
> Im currently using the monitor of the soundloop for fldigi for Rx
> ... thats working (just not quite right, should be able to use the
> loop)
>
> The Tx on the other hand only has the sndloop (no monitor) and
> will show in pavucontrol that Fldigi is sending audio to the
> sndloop, but quisk is not resending the information to the I/Q for
> the Radio to Tx ...
>
> yes Tx of radio is triggering ....
>

> any ideas to check ... ?
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2004. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-11 15:14:34 UTC
From: dh5ym@...
Topic: 1893 Message: 2004

About CAT i am not sure how useful it would be to have it inside Quisk. For my opinion the Hamlib and RPC control is very useful and for my use-cases it is sufficient. But i can also understand that someone might want something that enables for interfacing with external hardware that does not require a network interface. But maybe the more efficient way is a external tool that works with Hamlib or XML-RPC. That could emulate a CAT interface with some common used CAT language. My proposal would be the K3 CAT interface. But as i said i think that does not necessarily need to be a part of Quisk. What do you think ?

regards
Mario, DH5YM

2005. Re: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-11 17:50:02 UTC
From: Sid Boyce
Topic: 1893 Message: 2005

I didn't think there was such a thing as a common CAT language looking at hamlib/grig. So many rigs with different features.

When working with the hamlib group to get support for the IC-737 it was obvious that code specific to that transceiver was necessary though the hardware interface was the same for Icom HF transceivers.
73 ... Sid.

On 11/12/15 15:14, dh5ym@... [n2adr-sdr] wrote:
>
> About CAT i am not sure how useful it would be to have it inside
> Quisk. For my opinion the Hamlib and RPC control is very useful and
> for my use-cases it is sufficient. But i can also understand that
> someone might want something that enables for interfacing with
> external hardware that does not require a network interface. But maybe
> the more efficient way is a external tool that works with Hamlib or
> XML-RPC. That could emulate a CAT interface with some common used CAT
> language. My proposal would be the K3 CAT interface. But as i said i
> think that does not necessarily need to be a part of Quisk. What do
> you think ?
>
> regards
> Mario, DH5YM
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2006. Re[2]: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-12 01:47:52 UTC
From: Gena Pechen
Topic: 1893 Message: 2006
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

2007. Re: Re[2]: [n2adr-sdr] Re: Quisk 4.0.0

Yahoo group: n2adr-sdr
Date: 2015-12-12 09:17:29 UTC
From: dh5ym@...
Topic: 1893 Message: 2007

For VHF you could give tucnak a try. For shortwave i dont know. I also newer saw some tool that could do Konversion between the different worlds.

2008. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-13 18:19:21 UTC
From: alex@...
Topic: 1974 Message: 2008

Hello All, I see no much interest to Quisk on MAC OS X El Capitan here, in any case hope my information will help someone.

As I supposed the problem was not in sound management, after hard work and time spent to problem debugging - I am sure that there is something broken inside python2.7 / wxpython-3.0 combination on modern MAC OSX.

I have success to run Quisk versions 3.7.8, 4.0.0, 4.0.3 on MacBook Pro with MAC OS X El Capitan installed using portaudio interface (pulseaudio can be left as-is, can be totally disabled in Quisk source code).

After lot of spent time the solution was next:

1. I removed Homebrew and switched port management to macports,
2. installed python 2.7 (python27) and (py27-wxpython-2.8) ports + all additional needed ports to run Quisk like portaudio, pulse audio, fftw3 etc.

Please pay attention that I have no any success to use python 2.7 with wxpython-3.0 , when used Homebrew package manager I had described in the beginning of this topic problem.

When switched to macports - Quisk exited with error message located inside wxpython package's functions.

If someone has more detailed question I will be glad to help.

73!
Alex

2009. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-13 23:36:17 UTC
From: Jean-Paul Louis
Topic: 1974 Message: 2009

Hi Alex,

I would love to be able to run Quisk 4 on El Capitan.

Do you have an easy process to build it. I am using a Macbook Pro 4 core I7 and always failed to build properly. I can run on windows or linux in a VM (Parallels 10), but I would love to use the native version for quick.

I use Macports and Xcode for development work. I will have to get wxpython 2.8 as currently I use wxpythin 3 for KiCAD.

Please let me know the best way from scratch (dependancies).

73 de Jean-Paul
N1JPL / ex AC9GH

> On Dec 13, 2015, at 1:19 PM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hello All,
>
> I see no much interest to Quisk on MAC OS X El Capitan here, in any case hope my information will help someone.
>
> As I supposed the problem was not in sound management, after hard work and time spent to problem debugging - I am sure that there is something broken inside python2.7 / wxpython-3.0 combination on modern MAC OSX.
>
> I have success to run Quisk versions 3.7.8, 4.0.0, 4.0.3 on MacBook Pro with MAC OS X El Capitan installed using portaudio interface (pulseaudio can be left as-is, can be totally disabled in Quisk source code).
>
> After lot of spent time the solution was next:
>
> 1. I removed Homebrew and switched port management to macports,
> 2. installed python 2.7 (python27) and (py27-wxpython-2.8) ports + all additional needed ports to run Quisk like portaudio, pulse audio, fftw3 etc.
>
> Please pay attention that I have no any success to use python 2.7 with wxpython-3.0 , when used Homebrew package manager I had described in the beginning of this topic problem.
>
> When switched to macports - Quisk exited with error message located inside wxpython package's functions.
>
> If someone has more detailed question I will be glad to help.
>
> 73!

> Alex
>
>
>
>

2010. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-14 03:07:49 UTC
From: Eric Thornton
Topic: 1974 Message: 2010

Alex,

I'm a bit confused. Do you have it working now? Your commented that you had an error message...

"When switched to macports - Quisk exited with error message located inside wxpython package's functions."

If you used "make macports" then do this...
-"sudo port select python" then make sure your macports python version is selected. Mine is "python27"
-cd back to quisk build director and run by typing "python quisk". Just running ./quisk will always invoke the apple version due to the script header.

If it is working, then disregard.

Again, I would like to make a macports port of quisk so that all this is taken care of automatically. I should have more time in a couple weeks when work slows down.

Eric
km4dsj

On Sun, Dec 13, 2015 at 1:19 PM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello All,
> I see no much interest to Quisk on MAC OS X El Capitan here, in any case
> hope my information will help someone.
>
> As I supposed the problem was not in sound management, after hard work and
> time spent to problem debugging - I am sure that there is something broken
> inside python2.7 / wxpython-3.0 combination on modern MAC OSX.
>
> I have success to run Quisk versions 3.7.8, 4.0.0, 4.0.3 on MacBook Pro
> with MAC OS X El Capitan installed using portaudio interface (pulseaudio
> can be left as-is, can be totally disabled in Quisk source code).
>
> After lot of spent time the solution was next:
>
> 1. I removed Homebrew and switched port management to macports,
> 2. installed python 2.7 (python27) and (py27-wxpython-2.8) ports + all
> additional needed ports to run Quisk like portaudio, pulse audio, fftw3 etc.
>

> Please pay attention that I have no any success to use python 2.7 with
> wxpython-3.0 , when used Homebrew package manager I had described in the
> beginning of this topic problem.
>
> When switched to macports - Quisk exited with error message located
> inside wxpython package's functions.
>
> If someone has more detailed question I will be glad to help.
>
> 73!
> Alex
>
>
>
>
>

2011. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-14 08:33:31 UTC
From: alex@...
Topic: 1974 Message: 2011

Jean-Paul,
In connection to easier process - I have no any influence to policy of Apple, MAC OS X, Quiskand macports, so personally me cannot, make anything related to "make it easier".
Me self was the single voice in the desert asking for the help to make Quisk working under MAC OS X.

So I can only publish results of my own researches in this area and share with you have I got it working.
May be all my statements are wrong.

But finally I have Quisk working fine on MAC OS X El Capitan, using portaudio API and described to all the way I got this batch working together.

As well as i can understand macports policy -- it seam that you can install both wxpython-3.0 and wxpython-2.8

To install package I used next command:

port install py27-wxpython-2.8

73!
Alex

2012. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-14 08:41:31 UTC
From: alex@...
Topic: 1974 Message: 2012

Eric,
Finally I get Quisk perfectly working on my MAC OS X El Capitan, no any error or warning messages.

I had to remove Homebrew and twice install and reinstall python, wxpython related packages multiple times to get it working, below I repeat my message I published on afedrisdr Yahoo group https://uk.groups.yahoo.com/neo/groups/afedrisdr/conversations/messages/3844, that give more detailed description how to get it working, for sure if you have different SDR than AFEDRI you can tootally ignore paragraph related to this hardware.

I want to publish here some information about possibility to use Quisk application http://james.ahlstrom.name/quisk/ on MAC computers running MAC OSX.
It is for experienced MAC OS users that know what is Terminal and command shell tools and how to compile executable from source code:

1. You should download Quisk package http://james.ahlstrom.name/quisk/from author's web page
2. Xcode SDK and command tools
3. Install macports https://www.macports.org to manage ports that required to be used with Quisk
4. You should install the next packages:
python27, py27-wxpython-2.8, fftw-3.0 , portaudio, pulseaudio and probably some additional
5. Be ready that packages installation will take long time. Select macports python as default python executable:
>> sudo port select --set python python27
6. After you will extract Quisk files from archive to separate directory you must enter Quisk directory and compile Quisk for your system running next command:

>> make macports
7. After installation to use Quisk with AFEDRi SDR, you have to download additional packages: afedriusb http://afedri-sdr.com/index.php/downloads/category/14-quisk-support?download=127:quisk-module-for-afedri-sdr-usb-connection , afedrinet http://afedri-sdr.com/index.php/downloads/category/14-quisk-support?download=128:quisk-module-for-afedri-sdr-net-network-connection extract contains of archive to separated folders afedriusb and afedrinet in main Quisk directory.
8. For network connected AFEDRI you must enter afedrinet folder and compile SDR support library running afe_library script, before you can run this script you must modify path to python library and include folders in this script, for example on my MAC it looks like:
##
gcc -o afedrinet_io.so --shared afedrinet_io.c ../is_key_down.c ../import_quisk_api.c -I"../" -I"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7/" -L"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/" -lpython2.7
##
9. For USB connection you must download the sdr_commander v1.22 http://afedri-sdr.com/index.php/downloads/category/15-sdr-commander-command-shell-utility?download=233:sdr-commander

-v-1-22-command-shell-utility
Extract archive to separate folder and compile source code.
After successful compilation you will get executable sdr_commander, you must copy it to quick/afedriusb folder
10. Edit qusik_conf.py file to define correct sound device (card) name, copy this file as .quisk_conf.py to user's home directory.
For example for portaudio devices it will look like this one:

```
##################################################################################
from afedriusb import quisk_hardware sample_rate = 185185 name_of_sound_capt =
"portaudio#2" name_of_sound_play = "portaudiodefault" latency_millisecs = 150
default_rf_gain = 14 default_screen = 'WFall' playback_rate = 48000 default 48000
##################################################################################
```

73!
Alex

2013. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-14 09:05:23 UTC
From: alex@...
Topic: 1974 Message: 2013

Eric,
I forgot to add one note:
In present state Qusik 4.0.3 allows to choose portaudio devices only using "old" .quisk_config.py method.
There is no possibility to choose it (or even see it) directly from "ConfigFileRadio"->Sound menu.

P.S. I very recommend to use portaudio - this allow to soundcard based SDR users to choose directly specific sound card.

73!
Alex

2014. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-15 05:20:24 UTC
From: Jean-Paul Louis
Topic: 1974 Message: 2014

Hi Alex,

I do not use Homebrew, so for me using MacPorts was the way to go.
I followed your instruction, and the “make macports” completed with a few warnings:

```
Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ make macports
env ARCHFLAGS="-arch x86_64" python setup.py build_ext --force --inplace -D USE_MACPORTS
running build_ext
building 'quisk._quisk' extension
creating build
creating build/temp.macosx-10.11-x86_64-2.7
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c quisk.c
-o build/temp.macosx-10.11-x86_64-2.7/quisk.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c sound.c
-o build/temp.macosx-10.11-x86_64-2.7/sound.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sound_portaudio.c -o build/temp.macosx-10.11-x86_64-2.7/sound_portaudio.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
is_key_down.c -o build/temp.macosx-10.11-x86_64-2.7/is_key_down.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
microphone.c -o build/temp.macosx-10.11-x86_64-2.7/microphone.o
microphone.c:59:8: warning: plain '_Complex' requires a type specifier; assuming '_Complex
double'
static complex TxCorrectDc;
^
double
/usr/include/complex.h:37:17: note: expanded from macro 'complex'
#define complex _Complex
^
1 warning generated.
```

```
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
utility.c -o build/temp.macosx-10.11-x86_64-2.7/utility.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
filter.c -o build/temp.macosx-10.11-x86_64-2.7/filter.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
extdemod.c -o build/temp.macosx-10.11-x86_64-2.7/extdemod.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
freedv.c -o build/temp.macosx-10.11-x86_64-2.7/freedv.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sound_pulseaudio.c -o build/temp.macosx-10.11-x86_64-2.7/sound_pulseaudio.o
sound_pulseaudio.c:758:31: warning: expression which evaluates to zero treated as a null
pointer constant of type 'pa_stream *' (aka 'struct pa_stream *')
[-Wnon-literal-null-conversion]
OpenPulseDevices[i] = '\0';
^~~~
1 warning generated.
/usr/bin/clang -bundle -undefined dynamic_lookup -L/opt/local/lib
-Wl,-headerpad_max_install_names -L/opt/local/lib/db48 -arch x86_64
build/temp.macosx-10.11-x86_64-2.7/quisk.o build/temp.macosx-10.11-x86_64-2.7/sound.o
build/temp.macosx-10.11-x86_64-2.7/sound_portaudio.o
build/temp.macosx-10.11-x86_64-2.7/is_key_down.o
build/temp.macosx-10.11-x86_64-2.7/microphone.o
build/temp.macosx-10.11-x86_64-2.7/utility.o build/temp.macosx-10.11-x86_64-2.7/filter.o
build/temp.macosx-10.11-x86_64-2.7/extdemod.o build/temp.macosx-10.11-x86_64-2.7/freedv.o
build/temp.macosx-10.11-x86_64-2.7/sound_pulseaudio.o -L. -L/opt/local/lib -lportaudio
-lfftw3 -lm -lpulse -o /Users/jean-paullouis/SDR/QUISK/quisk-4.0.3/_quisk.so
building 'quisk.sdriqpkg.sdriq' extension
creating build/temp.macosx-10.11-x86_64-2.7/sdriqpkg
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I..
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
import_quisk_api.c -o build/temp.macosx-10.11-x86_64-2.7/import_quisk_api.o
/usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I..
```

```
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sdriqpkg/sdriq.c -o build/temp.macosx-10.11-x86_64-2.7/sdriqpkg/sdriq.o
sdriqpkg/sdriq.c:75:18: warning: incompatible integer to pointer conversion initializing
'FT_HANDLE' (aka 'void *') with an expression of type
'unsigned int' [-Wint-conversion]
static FT_HANDLE quisk_sdriq_fd = INVALID_HANDLE_VALUE;
^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:81:21: warning: comparison between pointer and integer ('FT_HANDLE' (aka
'void *') and 'unsigned int')
if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:106:21: warning: comparison between pointer and integer ('FT_HANDLE' (aka
'void *') and 'unsigned int')
if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:619:18: warning: incompatible integer to pointer conversion assigning to
'FT_HANDLE' (aka 'void *') from 'unsigned int' [-Wint-conversion]
quisk_sdriq_fd = INVALID_HANDLE_VALUE;
^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:671:21: warning: comparison between pointer and integer ('FT_HANDLE' (aka
'void *') and 'unsigned int')
if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:779:21: warning: comparison between pointer and integer ('FT_HANDLE' (aka
'void *') and 'unsigned int')
if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:799:21: warning: comparison between pointer and integer ('FT_HANDLE' (aka
'void *') and 'unsigned int')
if (quisk_sdriq_fd != INVALID_HANDLE_VALUE) {
~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
sdriqpkg/sdriq.c:806:18: warning: incompatible integer to pointer conversion assigning to
'FT_HANDLE' (aka 'void *') from 'unsigned int' [-Wint-conversion]
quisk_sdriq_fd = INVALID_HANDLE_VALUE;
^ ~~~~~~~~~~~~~~~~~~~
8 warnings generated.
/usr/bin/clang -bundle -undefined dynamic_lookup -L/opt/local/lib
-Wl,-headerpad_max_install_names -L/opt/local/lib/db48 -arch x86_64
build/temp.macosx-10.11-x86_64-2.7/import_quisk_api.o
build/temp.macosx-10.11-x86_64-2.7/sdriqpkg/sdriq.o -L. -L/opt/local/lib -lm -lftd2xx -o
/Users/jean-paullouis/SDR/QUISK/quisk-4.0.3/sdriqpkg/sdriq.so
ld: warning: ignoring file /usr/local/lib/libftd2xx.dylib, file was built for i386 which
is not the architecture being linked (x86_64): /usr/local/lib/libftd2xx.dylib
```

Then I went to the quick folder and typed “python quick.py”, and I got:

```
ean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ python quisk.py
W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible
because PulseAudio was built without capabilities support.
Traceback (most recent call last):
File "quisk.py", line 4707, in <module>
```

```
main()
File "quisk.py", line 4697, in main
App()
File "quisk.py", line 2536, in __init__
wx.App.__init__(self, redirect=False)
File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packa
ges/wx-3.0-osx_cocoa/wx/_core.py", line 8628, in __init__
self._BootstrapApp()
File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packa
ges/wx-3.0-osx_cocoa/wx/_core.py", line 8196, in _BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "quisk.py", line 2987, in OnInit
self.bandBtnGroup.SetLabel(self.lastBand, do_cmd=True)
File "./quisk_widgets.py", line 909, in SetLabel
self.command(event)
File "quisk.py", line 4374, in OnBtnBand
self.ChangeHwFrequency(tune, vfo, 'BtnBand', band=band)
File "quisk.py", line 4118, in ChangeHwFrequency
self.ChangeDisplayFrequency(tune - vfo, vfo)
File "quisk.py", line 4127, in ChangeDisplayFrequency
self.screen.SetTxFreq(self.txFreq, self.rxFreq)
File "quisk.py", line 1597, in SetTxFreq
self.display.SetTuningLine(tx_x - self.originX, 0)
File "quisk.py", line 1350, in SetTuningLine
dc.DrawLines(self.line[xa:xb])
File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packa
ges/wx-3.0-osx_cocoa/wx/_gdi.py", line 3914, in DrawLines
return _gdi_.DC_DrawLines(*args, **kwargs)
wx._core.PyAssertionError: C++ assertion "n > 1" failed at ../src/common/graphcmn.cpp(742)
in StrokeLines():
Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$
```

So I am trying to figure out what went wrong.

Any help will be welcome.

73 de Jean-Paul
N1JPL / ex AC9GH

> On Dec 14, 2015, at 3:41 AM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Eric,
> Finally I get Quisk perfectly working on my MAC OS X El Capitan, no any error or warning messages.
>
> I had to remove Homebrew and twice install and reinstall python, wxpython related packages multiple times to get it working, below I repeat my message I published on afedrisdr Yahoo group, that give more detailed description how to get it working, for sure if you have different SDR than AFEDRI you can tootally ignore paragraph related to this hardware.
> ---

>
> I want to publish here some information about possibility to use Quisk application on MAC computers running MAC OSX.
>
> It is for experienced MAC OS users that know what is Terminal and command shell tools and how to compile executable from source code:
>
>
>
> 1. You should download Quisk package from author's web page
>
> 2. Xcode SDK and command tools
>
> 3. Install macports to manage ports that required to be used with Quisk
>
> 4. You should install the next packages:
>
> python27, py27-wxpython-2.8, fftw-3.0 , portaudio, pulseaudio and probably some additional
>
> 5. Be ready that packages installation will take long time. Select macports python as default python executable:
>
> >> sudo port select --set python python27
> 6. After you will extract Quisk files from archive to separate directory you must enter Quisk directory and compile Quisk for your system running next command:
>
> >> make macports
>
> 7. After installation to use Quisk with AFEDRi SDR, you have to download additional packages: afedriusb , afedrinet extract contains of archive to separated folders afedriusb and afedrinet in main Quisk directory.
>
> 8. For network connected AFEDRI you must enter afedrinet folder and compile SDR support library running afe_library script, before you can run this script you must modify path to python library and include folders in this script, for example on my MAC it looks like:
>
> ##
>
> gcc -o afedrinet_io.so --shared afedrinet_io.c ../is_key_down.c ../import_quisk_api.c -I"../" -I"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7/" -L"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/" -lpython2.7
> ##
>
> 9. For USB connection you must download the sdr_commander v1.22
>
> Extract archive to separate folder and compile source code.
>
> After successful compilation you will get executable sdr_commander, you must copy it to quick/afedriusb folder

>
> 10. Edit qusik_conf.py file to define correct sound device (card) name, copy this file as .quisk_conf.py to user's home directory.
>
> For example for portaudio devices it will look like this one:
>
>
>
> ##
>
> from afedriusb import quisk_hardware
> sample_rate = 185185
> name_of_sound_capt = "portaudio#2"
> name_of_sound_play = "portaudiodefault"
> latency_millisecs = 150
> default_rf_gain = 14
> default_screen = 'WFall'
> playback_rate = 48000
> default 48000
> ##
>
> 73!
>
> Alex
>
>
>
>
>

2015. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-15 05:58:13 UTC
From: Eric Thornton
Topic: 1974 Message: 2015

Jean-Paul,

We spoke at a Wilmington VHF club a couple months back. Welcome!

The compiler warnings are normal and appear with OSX clang. It seems it is more particular in syntax than gcc, but just ignore them for now. It’s on my list to look at.

The thing that looks wrong is here.

> File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/wx-3.0-osx_cocoa/wx/_gdi.py", line 3914, in DrawLines
>

Make sure you have py27-wxpython-2.8 installed. Check by using “port installed”.

Eric
km4dsj

On Dec 15, 2015, at 12:20 AM, Jean-Paul Louis louijp@yahoo.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Hi Alex,
>
> I do not use Homebrew, so for me using MacPorts was the way to go.
> I followed your instruction, and the “make macports” completed with a few warnings:
>
> Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ make macports
> env ARCHFLAGS="-arch x86_64" python setup.py build_ext --force --inplace -D USE_MACPORTS
> running build_ext
> building 'quisk._quisk' extension
> creating build
> creating build/temp.macosx-10.11-x86_64-2.7
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I/opt/local/include -I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c quisk.c -o build/temp.macosx-10.11-x86_64-2.7/quisk.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I/opt/local/include -I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c sound.c -o build/temp.macosx-10.11-x86_64-2.7/sound.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I/opt/local/include -I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c sound_portaudio.c -o build/temp.macosx-10.11-x86_64-2.7/sound_portaudio.o

```
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
is_key_down.c -o build/temp.macosx-10.11-x86_64-2.7/is_key_down.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
microphone.c -o build/temp.macosx-10.11-x86_64-2.7/microphone.o
> microphone.c:59:8: warning: plain '_Complex' requires a type specifier; assuming
'_Complex double'
> static complex TxCorrectDc;
> ^
> double
> /usr/include/complex.h:37:17: note: expanded from macro 'complex'
> #define complex _Complex
> ^
> 1 warning generated.
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
utility.c -o build/temp.macosx-10.11-x86_64-2.7/utility.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
filter.c -o build/temp.macosx-10.11-x86_64-2.7/filter.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
extdemod.c -o build/temp.macosx-10.11-x86_64-2.7/extdemod.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
freedv.c -o build/temp.macosx-10.11-x86_64-2.7/freedv.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I.
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sound_pulseaudio.c -o build/temp.macosx-10.11-x86_64-2.7/sound_pulseaudio.o
> sound_pulseaudio.c:758:31: warning: expression which evaluates to zero treated as a null
pointer constant of type 'pa_stream *' (aka 'struct pa_stream *')
> [-Wnon-literal-null-conversion]
> OpenPulseDevices[i] = '\0';
> ^~~~
> 1 warning generated.
```

```
> /usr/bin/clang -bundle -undefined dynamic_lookup -L/opt/local/lib
-Wl,-headerpad_max_install_names -L/opt/local/lib/db48 -arch x86_64
build/temp.macosx-10.11-x86_64-2.7/quisk.o build/temp.macosx-10.11-x86_64-2.7/sound.o
build/temp.macosx-10.11-x86_64-2.7/sound_portaudio.o
build/temp.macosx-10.11-x86_64-2.7/is_key_down.o
build/temp.macosx-10.11-x86_64-2.7/microphone.o
build/temp.macosx-10.11-x86_64-2.7/utility.o build/temp.macosx-10.11-x86_64-2.7/filter.o
build/temp.macosx-10.11-x86_64-2.7/extdemod.o build/temp.macosx-10.11-x86_64-2.7/freedv.o
build/temp.macosx-10.11-x86_64-2.7/sound_pulseaudio.o -L. -L/opt/local/lib -lportaudio
-lfftw3 -lm -lpulse -o /Users/jean-paullouis/SDR/QUISK/quisk-4.0.3/_quisk.so
> building 'quisk.sdriqpkg.sdriq' extension
> creating build/temp.macosx-10.11-x86_64-2.7/sdriqpkg
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I..
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
import_quisk_api.c -o build/temp.macosx-10.11-x86_64-2.7/import_quisk_api.o
> /usr/bin/clang -fno-strict-aliasing -fno-common -dynamic -pipe -Os -fwrapv -DNDEBUG -g
-fwrapv -O3 -Wall -Wstrict-prototypes -arch x86_64 -DUSE_MACPORTS=1 -I. -I..
-I/opt/local/include
-I/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c
sdriqpkg/sdriq.c -o build/temp.macosx-10.11-x86_64-2.7/sdriqpkg/sdriq.o
> sdriqpkg/sdriq.c:75:18: warning: incompatible integer to pointer conversion initializing
'FT_HANDLE' (aka 'void *') with an expression of type
> 'unsigned int' [-Wint-conversion]
> static FT_HANDLE quisk_sdriq_fd = INVALID_HANDLE_VALUE;
> ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:81:21: warning: comparison between pointer and integer ('FT_HANDLE'
(aka 'void *') and 'unsigned int')
> if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
> ~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:106:21: warning: comparison between pointer and integer ('FT_HANDLE'
(aka 'void *') and 'unsigned int')
> if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
> ~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:619:18: warning: incompatible integer to pointer conversion assigning
to 'FT_HANDLE' (aka 'void *') from 'unsigned int' [-Wint-conversion]
> quisk_sdriq_fd = INVALID_HANDLE_VALUE;
> ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:671:21: warning: comparison between pointer and integer ('FT_HANDLE'
(aka 'void *') and 'unsigned int')
> if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
> ~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:779:21: warning: comparison between pointer and integer ('FT_HANDLE'
(aka 'void *') and 'unsigned int')
> if (quisk_sdriq_fd == INVALID_HANDLE_VALUE)
> ~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:799:21: warning: comparison between pointer and integer ('FT_HANDLE'
(aka 'void *') and 'unsigned int')
> if (quisk_sdriq_fd != INVALID_HANDLE_VALUE) {
```

> ~~~~~~~~~~~~~~ ^ ~~~~~~~~~~~~~~~~~~~
> sdriqpkg/sdriq.c:806:18: warning: incompatible integer to pointer conversion assigning to 'FT_HANDLE' (aka 'void *') from 'unsigned int' [-Wint-conversion]
> quisk_sdriq_fd = INVALID_HANDLE_VALUE;
> ^ ~~~~~~~~~~~~~~~~~~~
> 8 warnings generated.
> /usr/bin/clang -bundle -undefined dynamic_lookup -L/opt/local/lib -Wl,-headerpad_max_install_names -L/opt/local/lib/db48 -arch x86_64 build/temp.macosx-10.11-x86_64-2.7/import_quisk_api.o build/temp.macosx-10.11-x86_64-2.7/sdriqpkg/sdriq.o -L. -L/opt/local/lib -lm -lftd2xx -o /Users/jean-paullouis/SDR/QUISK/quisk-4.0.3/sdriqpkg/sdriq.so
> ld: warning: ignoring file /usr/local/lib/libftd2xx.dylib, file was built for i386 which is not the architecture being linked (x86_64): /usr/local/lib/libftd2xx.dylib
>
> Then I went to the quick folder and typed “python quick.py”, and I got:
>
> ean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ python quisk.py
> W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible because PulseAudio was built without capabilities support.
> Traceback (most recent call last):
> File "quisk.py", line 4707, in <module>
> main()
> File "quisk.py", line 4697, in main
> App()
> File "quisk.py", line 2536, in __init__
> wx.App.__init__(self, redirect=False)
> File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/wx-3.0-osx_cocoa/wx/_core.py", line 8628, in __init__
> self._BootstrapApp()
> File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/wx-3.0-osx_cocoa/wx/_core.py", line 8196, in _BootstrapApp
> return _core_.PyApp__BootstrapApp(*args, **kwargs)
> File "quisk.py", line 2987, in OnInit
> self.bandBtnGroup.SetLabel(self.lastBand, do_cmd=True)
> File "./quisk_widgets.py", line 909, in SetLabel
> self.command(event)
> File "quisk.py", line 4374, in OnBtnBand
> self.ChangeHwFrequency(tune, vfo, 'BtnBand', band=band)
> File "quisk.py", line 4118, in ChangeHwFrequency
> self.ChangeDisplayFrequency(tune - vfo, vfo)
> File "quisk.py", line 4127, in ChangeDisplayFrequency
> self.screen.SetTxFreq(self.txFreq, self.rxFreq)
> File "quisk.py", line 1597, in SetTxFreq
> self.display.SetTuningLine(tx_x - self.originX, 0)
> File "quisk.py", line 1350, in SetTuningLine
> dc.DrawLines(self.line[xa:xb])
> File "/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/wx-3.0-osx_cocoa/wx/_gdi.py", line 3914, in DrawLines
> return _gdi_.DC_DrawLines(*args, **kwargs)
> wx._core.PyAssertionError: C++ assertion "n > 1" failed at

../src/common/graphcmn.cpp(742) in StrokeLines():
> Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$
>
> So I am trying to figure out what went wrong.
>
> Any help will be welcome.
>
> 73 de Jean-Paul
> N1JPL / ex AC9GH
>
> > On Dec 14, 2015, at 3:41 AM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > Eric,
> > Finally I get Quisk perfectly working on my MAC OS X El Capitan, no any error or warning messages.
> >
> > I had to remove Homebrew and twice install and reinstall python, wxpython related packages multiple times to get it working, below I repeat my message I published on afedrisdr Yahoo group, that give more detailed description how to get it working, for sure if you have different SDR than AFEDRI you can tootally ignore paragraph related to this hardware.
> > --
> >
> > I want to publish here some information about possibility to use Quisk application on MAC computers running MAC OSX.
> >
> > It is for experienced MAC OS users that know what is Terminal and command shell tools and how to compile executable from source code:
> >
> >
> >
> > 1. You should download Quisk package from author's web page
> >
> > 2. Xcode SDK and command tools
> >
> > 3. Install macports to manage ports that required to be used with Quisk
> >
> > 4. You should install the next packages:
> >
> > python27, py27-wxpython-2.8, fftw-3.0 , portaudio, pulseaudio and probably some additional
> >
> > 5. Be ready that packages installation will take long time. Select macports python as default python executable:
> >
> > >> sudo port select --set python python27
> > 6. After you will extract Quisk files from archive to separate directory you must enter Quisk directory and compile Quisk for your system running next command:
> >
> > >> make macports
> >

> > 7. After installation to use Quisk with AFEDRi SDR, you have to download additional packages: afedriusb , afedrinet extract contains of archive to separated folders afedriusb and afedrinet in main Quisk directory.
> >
> > 8. For network connected AFEDRI you must enter afedrinet folder and compile SDR support library running afe_library script, before you can run this script you must modify path to python library and include folders in this script, for example on my MAC it looks like:
> >
> > ##
> >
> > gcc -o afedrinet_io.so --shared afedrinet_io.c ../is_key_down.c ../import_quisk_api.c -I"../" -I"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/include/python2.7/" -L"/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/" -lpython2.7
> > ##
> >
> > 9. For USB connection you must download the sdr_commander v1.22
> >
> > Extract archive to separate folder and compile source code.
> >
> > After successful compilation you will get executable sdr_commander, you must copy it to quick/afedriusb folder
> >
> > 10. Edit qusik_conf.py file to define correct sound device (card) name, copy this file as .quisk_conf.py to user's home directory.
> >
> > For example for portaudio devices it will look like this one:
> >
> >
> >
> > ##
> >
> > from afedriusb import quisk_hardware
> > sample_rate = 185185
> > name_of_sound_capt = "portaudio#2"
> > name_of_sound_play = "portaudiodefault"
> > latency_millisecs = 150
> > default_rf_gain = 14
> > default_screen = 'WFall'
> > playback_rate = 48000
> > default 48000
> > ##
> >
> > 73!
> >
> > Alex
> >
> >
> >
> >
> >

>
>
>

2016. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-15 07:48:22 UTC
From: alex@...
Topic: 1974 Message: 2016

Jean-Paul,
The warnings are OK, but error when you are start pyhton qusik.py - exactly same as I got when used wxpython-3.0.

So I fully support Eric's advcie to you - it seams you have to install:
port install py2-wxpython-2.8

Pleas pay attention that it is the main information I got in fist message when reported about final success in the "struggle" with Quisk on MAC OSX

73!
Alex

2017. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-15 18:02:58 UTC
From: jahlstr@...
Topic: 1974 Message: 2017

Hello Alex,

Although the PortAudio devices do not appear on the new Sound menu, they may be typed in directly and should work fine.

Jim
N2ADR

2018. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-16 07:35:08 UTC
From: alex@...
Topic: 1974 Message: 2018

Jim,
I know that I can choose portaudio using .quisk_conf.py file - it is exactly what I am doing and it is working perfectly. But as I understend I cannot use your nice new fetures like ConfigFileRadio in the case I will use old good method? May be I am wrong.

My notes about portaudio was addressed to Eric, as I understood he is looking for the ways how to better integrate Quisk with MAC OSX.

By the way I am sure - pulseaudio it is not the best way to implement audio (on any OS) and portaudio is much better multiplatform alternative. For sure it is only my opinion

73!
Alex

2019. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-17 00:36:21 UTC
From: Jean-Paul Louis
Topic: 1974 Message: 2019

Hi Alex and Eric,

I could not install py27-wxpython-2.8 until I uninstalled gnu radio with install wxpython-3.0

Now I am installing py27-wxpython-2.8, and will let you know the progress.

py27-wxpython-2.8 is forcing install of a lot of stuff that was not loaded by py27-wxpython-3.0.

---> Computing dependencies for py27-wxpython-2.8
---> Dependencies to be installed: py27-numeric wxgtk-2.8 libGLU libsdl_mixer libmikmod smpeg

OK,
That worked! I have still a few warnings, but at least I got the QUISK Window when I typed:

Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ python quisk.py
W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible because PulseAudio was built without capabilities support.

I had to update Quartz (my X11), but now I can proceed to the next step.

Thanks a lot guys.

Eric,
I'll keep you posted locally as I am sure I will catch you on the local repeaters, or the next local VHF meeting.

73 de Jean-Paul
N1JPL / ex AC9GH

> On Dec 15, 2015, at 2:48 AM, alex@4z5lv.net [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Jean-Paul,
> The warnings are OK, but error when you are start pyhton qusik.py - exactly same as I got when used wxpython-3.0.
>
> So I fully support Eric's advcie to you - it seams you have to install:
> port install py2-wxpython-2.8
>
> Pleas pay attention that it is the main information I got in fist message when reported about final success in the "struggle" with Quisk on MAC OSX
>
> 73!
> Alex
>

>

2020. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-17 01:08:17 UTC
From: Jean-Paul Louis
Topic: 1974 Message: 2020

Jim,

I agree strongly with Eric and Alex. Portaudio is a lot better platform on OS X. I have not tried it on Linux or Windows as I try to stick with OS X

Regardless, you have done a good job with quick, thanks a lot for that.

73 de Jean-Paul
N1JPL / ex AC9GH

> On Dec 16, 2015, at 2:35 AM, alex@4z5lv.net [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Jim,
> I know that I can choose portaudio using .quisk_conf.py file - it is exactly what I am doing and it is working perfectly. But as I understend I cannot use your nice new fetures like ConfigFileRadio in the case I will use old good method? May be I am wrong.
>
> My notes about portaudio was addressed to Eric, as I understood he is looking for the ways how to better integrate Quisk with MAC OSX.
>
> By the way I am sure - pulseaudio it is not the best way to implement audio (on any OS) and portaudio is much better multiplatform alternative. For sure it is only my opinion
>
>
> 73!
> Alex
>
>

2021. Re: [n2adr-sdr] Quisk on MAC OS X El Capitan (10.11)

Yahoo group: n2adr-sdr
Date: 2015-12-17 01:43:53 UTC
From: Eric Thornton
Topic: 1974 Message: 2021

I’m actually using pulseaudio as it allows me to use my softrock remotely over wifi. The IQ audio is streamed at 96khz rate and 16bit resolution. I’ve not tried port audio, but have been extremely pleased with pulse on OSX.

Eric

On Dec 16, 2015, at 7:36 PM, Jean-Paul Louis louijp@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Hi Alex and Eric,
>
> I could not install py27-wxpython-2.8 until I uninstalled gnu radio with install wxpython-3.0
>
> Now I am installing py27-wxpython-2.8, and will let you know the progress.
>
> py27-wxpython-2.8 is forcing install of a lot of stuff that was not loaded by py27-wxpython-3.0.
>
> ---> Computing dependencies for py27-wxpython-2.8
> ---> Dependencies to be installed: py27-numeric wxgtk-2.8 libGLU libsdl_mixer libmikmod smpeg
>
> OK,
> That worked! I have still a few warnings, but at least I got the QUISK Window when I typed:
>
> Jean-Pauls-MacBook-Pro:quisk-4.0.3 jean-paullouis$ python quisk.py
> W: [] caps.c: Normally all extra capabilities would be dropped now, but that's impossible because PulseAudio was built without capabilities support.
>
> I had to update Quartz (my X11), but now I can proceed to the next step.
>
> Thanks a lot guys.
>
> Eric,
> I’ll keep you posted locally as I am sure I will catch you on the local repeaters, or the next local VHF meeting.
>
> 73 de Jean-Paul
> N1JPL / ex AC9GH
>
> > On Dec 15, 2015, at 2:48 AM, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > Jean-Paul,
> > The warnings are OK, but error when you are start pyhton qusik.py - exactly same as I

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> >
> > So I fully support Eric's advcie to you - it seams you have to install:
> > port install py2-wxpython-2.8
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> >
> > 73!
> > Alex
> >
> >
>
>
>

2022. Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-17 08:30:33 UTC
From: yan.alexeenko@...
Topic: 2022 Message: 2022

https://drive.google.com/open?id=0Bylg7ZUFCyArTDR5VGJ3d2FseVU
https://drive.google.com/open?id=0Bylg7ZUFCyArTDR5VGJ3d2FseVU

We glad to introduce new beta version of Zeus Radio!
Now, ExtIO interface is supported and ZR works with

Transceivers:
ZS-1

Hermes
ANAN
HiQSDR
Oddyssey
Receivers:

Peaberry
Afedri
RTL_2832
Winradio Excalibur & Pro
Perseus
SDR-IQ
Elad
etc.

2023. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-17 17:59:25 UTC
From: Robert Nickels
Topic: 2022 Message: 2023

On 12/17/2015 2:30 AM, yan.alexeenko@... [n2adr-sdr] wrote:
>
> https://drive.google.com/open?id=0Bylg7ZUFCyArTDR5VGJ3d2FseVU
>
> We glad to introduce new beta version of Zeus Radio!
>

Hi Yan,

I tried it on two PCs with an RTL2832 dongle plugged into a USB 2.0 port, ZeusRadio will not start on either, displaying the "Device not found Please, check USB connection" message. One PC is running XP SP3 and the other Win 8.1, and the same dongle will work with other SDR apps on both machines. The dongle shows up correctly in Device Manager.

73, Bob W9RAN

2024. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-17 19:46:02 UTC
From: Yan Alexeenko
Topic: 2022 Message: 2024

Bob, you should run ZeusRadio.exe with parameters extio. That is all what you need.

unzip archive to any location on your PC and next you should re-create shortcut for ZeusRadio.exe.
Command line args for ZR:
hermes - launch ZR with Hermes protocol based transceivers
hiqsdr - launch ZR with HiQSDR protocol based transceivers
oddyssey - launch ZR with Odyssey protocol based transceivers
extio - launch ZR with ExtIO interface based receivers
dcc - DC correction (if needed)
waterfall=off - Turn off waterfall for old PC

Example launch extio with DC correction
"C:\Program Files\Zeus Radio\ZeusRadio.exe" extio dcc

The next step is DLL selection which implements ExtIO interface for your hardware.
I will try to answer all your questions.

Best Regards, Yan Alexeenko.

2025. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-17 22:34:07 UTC
From: Robert Nickels
Topic: 2022 Message: 2025

On 12/17/2015 1:46 PM, Yan Alexeenko yan.alexeenko@... [n2adr-sdr] wrote:
>
> The next step is DLL selection which implements ExtIO interface for
> your hardware.
> I will try to answer all your questions.

Yan -

Thanks, that did allow me to get to the next step of DLL selection but I don't see anything that looks like it's for the RTL dongle. I tried opening all of them but the window just blinked and came right back to the ExtIO library list.

I used ExtIO for about an hour 3 or 4 years ago so I'll admit I'm not familiar with it, but shouldn't there be something relative to "rtl32832" in the list? A few seem to be soundcard-related (such as OggVorbisCodec) - but I don't see anything that looks like SDR hardware in the list.

73, Bob W9RAN

2026. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-17 23:22:47 UTC
From: Yan Alexeenko
Topic: 2022 Message: 2026
Attachments: 1 described; binary payloads are missing from this source WARC

Bob, please try new version
https://drive.google.com/file/d/0Bylg7ZUFCyArTUVuSnlDOTVESTQ/view?usp=sharing
We improve interaction with ExtIO.
Also I attached to this post ExtIO_RTL2832.dll

Best Regards, Yan Alexeenko.

2027. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-18 15:37:48 UTC
From: Robert Nickels
Topic: 2022 Message: 2027

No luck with RTL dongle but ZeusRadio is working nicely with my
Hermes-Lite. I'm not sure the gain control is working right since the
S meter is pinned even though the spectrum display doesn't indicate that
the ADC is overloaded.

I've found some neat features by trial and error but documentation would
be helpful as I still haven't figured out what some controls do.
Overall it looks good!

73, Bob W9RAN

2028. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-18 17:49:57 UTC
From: Yan Alexeenko
Topic: 2022 Message: 2028

Bob, Did you install RTL drivers correctly (http://www.rtl-sdr.com) using Zadig program?
We tested software using ExtIO_RTL2832.dll
I can help you via skype (yanusva3)

Best Regards, Yan Alexeenko.

2029. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-18 18:59:31 UTC
From: Robert Nickels
Topic: 2022 Message: 2029

On 12/18/2015 11:49 AM, Yan Alexeenko yan.alexeenko@...
[n2adr-sdr] wrote:
> Did you install RTL drivers correctly (http://www.rtl-sdr.com) using
> Zadig program?

Yes, as I said I can run the same RTL dongle using SDR# and it shows up as a WinUSB device in Device Manager.

The problem is there is no ExtIO dll in the standard Osmocom rtl-sdr download, nor in your package as far as I can see. Other programs seem to use ExtIOs from other sources, such as this one for HDSDR: https://github.com/josemariaaraujo/ExtIO_RTL

After I launch ZeusRadio extio, here is a list of the files in the ExtIO Library folder that is opened for me to choose from - which of these is the correct one for RTL2832 dongles? (You will see that I manually added rtlsdr.dll to the folder).

Thanks and 73,
Bob W9RAN

2030. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-18 19:12:21 UTC
From: Robert Nickels
Topic: 2022 Message: 2030

On 12/18/2015 12:59 PM, Robert Nickels w9ran@... [n2adr-sdr] wrote:
>
>
> After I launch ZeusRadio extio, here is a list of the files in the
> ExtIO Library folder
>
>
>
Sorry, I forgot to paste in the list, so here it is:

http://imgur.com/JxV6eiI

73, Bob W9RAN

2031. Re: [n2adr-sdr] Zeus Radio 2.9 & ExtIO

Yahoo group: n2adr-sdr
Date: 2015-12-18 20:28:18 UTC
From: Yan Alexeenko
Topic: 2022 Message: 2031

Bob, it's look incorrect. You should download or compile 32 bit version ExtIO_RTL.dll from https://github.com/josemariaaraujo/ExtIO_RTL and put to ZR folder.

Download ExtIO_RTL-master, unzip and copy ExtIO_RTL-master\Release\ExtIO_RTL.dll to ZR folder

Please, look at this short video for starting ZR
http://screencast.com/t/ZWcqzJy1J

P.S. please, download latest beta version of Zeus Radio
https://drive.google.com/open?id=0Bylg7ZUFCyArcERwd0l4OGItYjA

Best Regards, Yan Alexeenko.

2032. Zeus Radio Group

Yahoo group: n2adr-sdr
Date: 2015-12-24 22:22:07 UTC
From: yan.alexeenko@...
Topic: 2032 Message: 2032

Welcome to Zeus Radio group!

Yahoo! Groups https://groups.yahoo.com/neo/groups/Zeus_Radio/info

https://groups.yahoo.com/neo/groups/Zeus_Radio/info

Yahoo! Groups https://groups.yahoo.com/neo/groups/Zeus_Radio/info Sorry, an error occurred while loading the content.

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/Zeus_Radio/info
Preview by Yahoo

2033. Zeus Radio 2.9.1

Yahoo group: n2adr-sdr
Date: 2015-12-30 17:38:15 UTC
From: yan.alexeenko@...
Topic: 2033 Message: 2033

We decided to sell Zeus Radio for users, who use hardware manufactured by other companies. Zeus Radio will free only for ZS-1 users. The price of single license is 50$. Our new website with on-line store will start in near future. Also beta testing period will end on 01.01.2016 automatically.

2034. Re: Zeus Radio 2.9.1

Yahoo group: n2adr-sdr
Date: 2015-12-30 21:12:53 UTC
From: yan.alexeenko@...
Topic: 2033 Message: 2034

Zeus Radio 2.9.1 installer now available:

ZS-1 - Zeus Radio v2.9.1(En) http://zs-1.ru/index.php/downloads/item/zeus-radio-v291-en

ZS-1 - Zeus Radio v2.9.1(En) http://zs-1.ru/index.php/downloads/item/zeus-radio-v291-en
ZS-1 Transceiver, HAM Radio

View on zs-1.ru http://zs-1.ru/index.php/downloads/item/zeus-radio-v291-en
Preview by Yahoo

Best Regards, Yan Alexeenko.

2035. How to access the Quisk Buttons remotely?

Yahoo group: n2adr-sdr
Date: 2016-01-26 22:45:34 UTC
From: peter@...
Topic: 2035 Message: 2035

Hi,

I'm in the process of building a new VHF transceiver. It will be a Heterodyne principle, using the HiQSDR board and Quisk for (de)modulation on 10.7 MHz, ie a Pandapter. The up- and down mixing will be done using a very low Phase Noise DDS (which I will have to control remotely as well, but that can be done in C-code, which I understand much better than OOP Python!). So far so goodfull. However, in order to make Quisk remotely controllable and featured for internet application, I try to convey the least amount of data as acquired at the remote location and transfer it to my local destination. The UDP sockets I've incorporated into the Quisk Software (version: 3.6.19) work fine and I've succeeded to send the Graphical data across, using 1 Byte per data point instead of 4 (at 0.5 dB resolution). What partially fails though is how to address the Buttons Remotely. To be more specific: How can I trigger the Graph, Waterfall, NB and AGC buttons, so they'll Show up as being pressed remotely? (I did manage to succeed with Mode and Bandwidth, but that must have been beginners luck. I'm a newbie on Python :-( ).

For example, the Noise Blanker seems to be defined as OnBtnNB(event). But how to trigger the "event" remotely so the button will be executed?? Any hints and clues are very much appreciated!

73s,

Peter, PA3BIY

2036. Re: How to access the Quisk Buttons remotely?

Yahoo group: n2adr-sdr
Date: 2016-01-31 10:30:29 UTC
From: peter@...
Topic: 2035 Message: 2036

Hi all,

As there was no reply whatsoever on my request regarding the (remote) control of Buttons, I went for the "dirty solution": I've decoded the mouse positions "locally", and run pyautogui to execute position movements and Mouse Clicks at the remote locations (At the local instance of Quisk the Button functions are decoded and send over internet. At recepit at the remote location these Buttons are executed as Mouse Positions and Clicks). It involved a lot of "globals", which is not "pythonic", but at least it got things working!

73s,

Peter

2037. WWV decode time

Yahoo group: n2adr-sdr
Date: 2016-02-08 18:01:00 UTC
From: MIKE DURKIN
Topic: 2037 Message: 2037

Does anyone set their computer time when no internet is available to WWV using Quisk's audio output (digital button) ?

The RTC on the Odroid arm computers last about a whole 1hr ... not nearly long enuff to be usable for portable use ....

2038. Re: WWV decode time

Yahoo group: n2adr-sdr
Date: 2016-02-09 08:12:42 UTC
From: dh5ym@...
Topic: 2037 Message: 2038

Hi Mike,

here in Germany we have the DCF77 time signal transmitter close to Frankfurt which can be received in Germany and around. It transmits on 77.5kHz and can easily be received. Therefore this is the most common way to set a clock without internet reception beside using a GPS receiver. But since GPS receiver are so cheap it gets more and more common to synchronize such micro PC via GPS. Alternatively you can hook up a RTC to the I2C port of your Odroid.

regards
Mario, DH5YM

2039. Re: [n2adr-sdr] Re: WWV decode time

Yahoo group: n2adr-sdr
Date: 2016-02-09 14:27:45 UTC
From: <Patriot121@...>
Topic: 2037 Message: 2039

It may be cheap to use a gps ....

I'm out of ports .... besides I'm sure all is needed to implement it is already available

Iv found reference to what's called driver 36 which is more slated to wwvh and wwvb

Sent from Outlook Mobile

On Tue, Feb 9, 2016 at 12:12 AM -0800, "dh5ym@....uk [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Hi Mike,

here in Germany we have the DCF77 time signal transmitter close to Frankfurt which can be received in Germany and around. It transmits on 77.5kHz and can easily be received. Therefore this is the most common way to set a clock without internet reception beside using a GPS receiver. But since GPS receiver are so cheap it gets more and more common to synchronize such micro PC via GPS. Alternatively you can hook up a RTC to the I2C port of your Odroid.

regards
Mario, DH5YM

2040. quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 02:55:00 UTC
From: radioguy90@...
Topic: 2040 Message: 2040

I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.

Basically in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.

Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.

I also tried i2cdetect and the panel shows nothing connected -- so another issue.

I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@gmail.com.

Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file

Thanks in advance.
Pete N6QW

2041. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:20:58 UTC
From: James Bennett
Topic: 2040 Message: 2041

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
Folsom, CA

> On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.
>
>
>
> Basically in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.
>
>
>
> Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.
>
>
>
> I also tried i2cdetect and the panel shows nothing connected -- so another issue.
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>
>
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>
>

>
> Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file
>
>
>
> Thanks in advance.
>
> Pete N6QW
>
>
>
>

2042. RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:29:41 UTC
From: MIKE DURKIN
Topic: 2040 Message: 2042

Did you overclock the Pi2 ?

Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version 4 can use it .. we were moving to a gui setup ...

Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHBFolsom, CA
On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

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Thanks in advance.
Pete N6QW

2043. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:40:51 UTC
From: James Bennett
Topic: 2040 Message: 2043

Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.

> On Feb 11, 2016, at 20:29, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Did you overclock the Pi2 ?
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> Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.
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> Though the new version 4 can use it .. we were moving to a gui setup ...
>
> Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 11 Feb 2016 20:20:58 -0800
> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
>
>
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> Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
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> I also tried i2cdetect and the panel shows nothing connected -- so another issue.
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> I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@....
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> Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file
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>
> Thanks in advance.
> Pete N6QW
>
>
>
>
>

2044. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:53:56 UTC
From: RadiosRUs
Topic: 2040 Message: 2044

Hi Jim,

That would be great – I can sort out the 2 versus 3 sound cards. Also am interested in anything about PTT.

Thanks in advance.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:20 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
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Pete N6QW

2045. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:57:03 UTC
From: RadiosRUs
Topic: 2040 Message: 2045

Hi Mike,

The only reason I put in the quisk_conf.py file was the instructions and that I wasn't seeing any I2C. Just not sure what all needs to be "in or out". I am running 4.0.3

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:29 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Did you overclock the Pi2 ?

Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version 4 can use it .. we were moving to a gui setup ...

Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

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To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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Jim Bennett / W6JHB
Folsom, CA

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Pete N6QW

2046. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 04:59:58 UTC
From: RadiosRUs
Topic: 2040 Message: 2046

Hi Jim,

I am running 4.0.3 and perhaps as Mike suggested the file is not needed –the display and buttons seem to work all except for the PTT. It is not connected to the radio other than the control board to the softrock and there is no register of an I2C showing up.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:40 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.

On Feb 11, 2016, at 20:29, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

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Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

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From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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Pete N6QW

2047. RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 05:18:17 UTC
From: MIKE DURKIN
Topic: 2040 Message: 2047

the ptt is not an external connection. i do believe that it is part of the communication with the AVR.

If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.

You might need to overclock your Rp2 some ....

I dont know ...

To: n2adr-sdr@yahoogroups.com
CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:59:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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From:
n2adr-sdr@yahoogroups.com
Date:
Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file
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Pete
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2048. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 06:12:45 UTC
From: RadiosRUs
Topic: 2040 Message: 2048

Hi Mike,

When all else fails read the instructions --- in the help file on 4.0.3 –it says folks got tired of changing the config file –so now it is all done with the gui.

My question about the PTT was that it is white lettering versus black like on the active buttons –and the active buttons depress (visually it looks that way).

The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.

73’s
Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 9:18 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:59:58 -0800
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Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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2049. RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 06:56:29 UTC
From: MIKE DURKIN
Topic: 2040 Message: 2049

AHHH... that's because they don't exist as hardware in your particular setup ...

There is a HermisLite that uses the external gain control and such .... and others.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 22:12:45 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Mike,

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Subject:
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the ensemble to work on PowerSDR was not easy and I find quisk to be more
intuitive save for not being able to build a quisk_conf.py
file

Thanks in
advance.
Pete
N6QW

2050. RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 06:57:47 UTC
From: MIKE DURKIN
Topic: 2040 Message: 2050

On my laptop .. the PTT is black and i dont have a SDR hooked to the puter ...

When i hit PTT it turns red ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 22:12:45 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Mike,

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The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.

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Sent: Thursday, February 11, 2016 9:18 PM
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Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

the ptt is not an external connection. i do believe that it is part of the communication with the AVR.

If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.

You might need to overclock your Rp2 some ....

I dont know ...

To: n2adr-sdr@...m
CC: patriot121@...
From: n2adr-sdr@yahoogroups.com

Date: Thu, 11 Feb 2016 20:59:58 -0800
Subject:
Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2
install

Hi Jim,

I am running 4.0.3 and perhaps as Mike suggested the file is not needed
–the display and buttons seem to work all except for the PTT. It is not
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Sent: Thursday, February 11, 2016 8:40 PM
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Im
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all the way up to 70cm

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n2adr-sdr@yahoogroups.com
Date:
Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file
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Thanks in
advance.
Pete
N6QW

2051. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 13:27:41 UTC
From: RadiosRUs
Topic: 2040 Message: 2051

Well that then is something I will need to chase down as what you are seeing Is what I thought should be happening.

Thanks –good information for me.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 10:57 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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I also tried i2cdetect and the panel shows nothing connected -- so another issue.

I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@....

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Thanks in advance.
Pete N6QW

2052. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 16:51:05 UTC
From: James Bennett
Topic: 2040 Message: 2052

Pete - you still need assistance?

I just did some fiddling with my RXTX and Quick this morning. Seems that the PTT thing only operates if you are NOT in CW-L or CW-U. On my version, when I'm in CW-L pressing the PTT button only makes it turn red and the radio does not go into transmit mode. If I go into USB-U or USB-L and press PTT, the radio does in fact go into transmit mode.

Jim / W6JHB

> On Thursday, Feb 11, 2016, at Thursday, 8:20 PM, James Bennett <w6jhb@...> wrote:
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> Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.
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> Jim Bennett / W6JHB
> Folsom, CA
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> On Feb 11, 2016, at 6:55 PM, radioguy90@... <mailto:radioguy90@hotmail.com> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>> Thanks in advance.
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>> Pete N6QW
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2053. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 17:33:53 UTC
From: RadiosRUs
Topic: 2040 Message: 2053

More Info.

I ran a test by loading Hermes on to my quisk and the PTT button shows up on the display and turns red. I found the code in Hermes that does the OnButton but I do not see any similar code in the softrock ensemble main coded or in the widget code. I tried adding that code to the widget –but nothing happened –I think having the PTT show up black is necessary.

Any clues would be most appreciated.

Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 10:57 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
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Pete N6QW

2054. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 17:41:25 UTC
From: James Bennett
Topic: 2040 Message: 2054

Pete - do you have a key or paddle to connect to your RXTX? If so, does it transmit CW when you key it?

What happens to the PTT when you put Quisk into USB-L or USB-U? Does the PTT do anything then?

Jim / W6JHB

> On Friday, Feb 12, 2016, at Friday, 9:33 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>> Folsom, CA
>>
>> On Feb 11, 2016, at 6:55 PM, radioguy90@... <mailto:radioguy90@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>>
>>>
>>> I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.
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>>> Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.
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>>> Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file
>>>
>>>
>>> Thanks in advance.
>>> Pete N6QW
>>>
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2055. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 17:46:04 UTC
From: RadiosRUs
Topic: 2040 Message: 2055

Hi Jim,

Yes – it is still a problem – The PTT works as you describe if Hermes is loaded on the quisk but not the softrock ensemble. It was in SSB and not CW when I checked the PTT – I am running 4.0.3 and I think you might be using an earlier version.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 8:51 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - you still need assistance?

I just did some fiddling with my RXTX and Quick this morning. Seems that the PTT thing only operates if you are NOT in CW-L or CW-U. On my version, when I'm in CW-L pressing the PTT button only makes it turn red and the radio does not go into transmit mode. If I go into USB-U or USB-L and press PTT, the radio does in fact go into transmit mode.

Jim / W6JHB

On Thursday, Feb 11, 2016, at Thursday, 8:20 PM, James Bennett <w6jhb@...> wrote:

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
Folsom, CA

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Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.

I also tried i2cdetect and the panel shows nothing connected -- so another issue.

I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@....

Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file

Thanks in advance.

Pete N6QW

2056. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 17:52:04 UTC
From: RadiosRUs
Topic: 2040 Message: 2056

Hi Jim,

I do not have a key or paddle so can't check that – Quisk in USB or LSB with the softrock ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 9:41 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - do you have a key or paddle to connect to your RXTX? If so, does it transmit CW when you key it?

What happens to the PTT when you put Quisk into USB-L or USB-U? Does the PTT do anything then?

Jim / W6JHB

On Friday, Feb 12, 2016, at Friday, 9:33 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

More Info.

I ran a test by loading Hermes on to my quisk and the PTT button shows up on the display and turns red. I found the code in Hermes that does the OnButton but I do not see any similar code in the softrock ensemble main coded or in the widget code. I tried adding that code to the widget –but nothing happened –I think having the PTT show up black is necessary.

Any clues would be most appreciated.

Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 10:57 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

On my laptop .. the PTT is black and i dont have a SDR hooked to the puter ...

When i hit PTT it turns red ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com

Date: Thu, 11 Feb 2016 22:12:45 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Mike,

When all else fails read the instructions --- in the help file on 4.0.3 –it says folks got tired of changing the config file –so now it is all done with the gui.

My question about the PTT was that it is white lettering versus black like on the active buttons –and the active buttons depress (visually it looks that way).

The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.

73’s
Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 9:18 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

the ptt is not an external connection. i do believe that it is part of the communication with the AVR.

If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.

You might need to overclock your Rp2 some ....

I dont know ...

To: n2adr-sdr@yahoogroups.com
CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:59:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Jim,

I am running 4.0.3 and perhaps as Mike suggested the file is not needed –the display and buttons seem to work all except for the PTT. It is not connected to the radio other than the control board to the softrock and there is no register of an I2C showing up.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:40 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.

On Feb 11, 2016, at 20:29, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Did you overclock the Pi2 ?

Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version 4 can use it .. we were moving to a gui setup ...

Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

---

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
Folsom, CA

On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

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Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.

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Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file

Thanks in advance.
Pete N6QW

2057. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-12 19:39:47 UTC
From: James Bennett
Topic: 2040 Message: 2057

Pete - here is a copy/paste of my quick_conf.py file. Not a lot specific to PTT, but maybe you can see something that might make yours work. Keep in mind I am using version 3.7.7 and not V4.

Jim / W6JHB

```
# This is the quisk_conf.py configuration file for a soundcard.
# Copied from the *softrock* configuration file on 29-Oct-2015 by W6JHB

# ************************************************************************
# NOTE: this file is to be found in the /home/pi directory!!!! *
# ************************************************************************

# This is a sample quisk_conf.py configuration file for a SoftRock Rx/Tx Ensemble or
# other SoftRock that has both transmit and receive capability. You need two sound
# cards, a high quality card to capture radio samples and play microphone sound; and
# a lower quality card to play radio sound and capture the microphone.

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_i2c_address = 0x70
si570_xtal_frequency = 14444263

## data_poll_usec Hardware poll usecs, integer
# Quisk polls the hardware for samples at intervals. This is the poll time in microseconds.
# A lower time reduces latency. A higher time is less taxing on the hardware.(was 5000)
data_poll_usec = 500
latency_millisecs = 150

## rx_max_amplitude_correct Max ampl correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
```

```
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 1.00. This controls the range of the control.
rx_max_amplitude_correct = 0.2

## rx_max_phase_correct Max phase correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 0.00. This controls the range of the control in degrees.
rx_max_phase_correct = 10.0

# If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
# CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
# Do not press the PTT button. CW has its own timer to control transmit.
key_poll_msec = 5
key_hang_time = 0.7

#This controls if Quisk will display a sidetone volume control and if there is sidetone or
not
use_sidetone = 0 # No sidetone, no volume control

# If your mixing scheme inverts the RF Spectrum, set this option to un-invert it
invert_spectrum = 0
channel_i = 1
channel_q = 0

# Radio samples and audio:
sample_rate = 48000 # ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
playback_rate = 48000 # radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48
ksps.

# Microphone:
microphone_name = name_of_sound_play # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a
sound card
mic_playback_rate = sample_rate # Playback rate for microphone
#mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a fraction
0.0 to 1.0

repeater_delay = 0.25 # delay for changing repeater frequency in seconds
> On Friday, Feb 12, 2016, at Friday, 9:52 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
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> Hi Jim,
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> I do not have a key or paddle so can’t check that – Quisk in USB or LSB with the softrock
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ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.
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>> CC: patriot121@... <mailto:patriot121@...>
>> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Thu, 11 Feb 2016 20:59:58 -0800
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2058. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-13 02:25:54 UTC
From: RadiosRUs
Topic: 2040 Message: 2058

Hi Jim,

Thank you –but that didn't work – however I did load hardware_usb and aside from two error messages about a fredv file not being false and that I didn't have permission to access the usb interface – the PTT and vox work – but no display.

I just wished there was a better bread crumb trail so those of us who don't know could know.

Thanks you for taking the time to copy the file and answering my question – one thing I might do is make another directory with 3.7.7 and see if I can get that to work and then I would have a better idea of the fix. Then I could use the file you sent me.

73's
Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 11:39 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - here is a copy/paste of my quick_conf.py file. Not a lot specific to PTT, but maybe you can see something that might make yours work. Keep in mind I am using version 3.7.7 and not V4.

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# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
```

```
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_i2c_address = 0x70
si570_xtal_frequency = 14444263

## data_poll_usec Hardware poll usecs, integer
# Quisk polls the hardware for samples at intervals. This is the poll time in microseconds.
# A lower time reduces latency. A higher time is less taxing on the hardware.(was 5000)
data_poll_usec = 500
latency_millisecs = 150

## rx_max_amplitude_correct Max ampl correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 1.00. This controls the range of the control.
rx_max_amplitude_correct = 0.2

## rx_max_phase_correct Max phase correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 0.00. This controls the range of the control in degrees.
rx_max_phase_correct = 10.0

# If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
# CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
# Do not press the PTT button. CW has its own timer to control transmit.
key_poll_msec = 5
key_hang_time = 0.7

#This controls if Quisk will display a sidetone volume control and if there is sidetone or
not
use_sidetone = 0 # No sidetone, no volume control

# If your mixing scheme inverts the RF Spectrum, set this option to un-invert it
invert_spectrum = 0
channel_i = 1
channel_q = 0

# Radio samples and audio:
sample_rate = 48000 # ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
```

playback_rate = 48000 # radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48 ksps.

# Microphone:
microphone_name = name_of_sound_play # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a sound card
mic_playback_rate = sample_rate # Playback rate for microphone
#mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a fraction 0.0 to 1.0

repeater_delay = 0.25 # delay for changing repeater frequency in seconds
On Friday, Feb 12, 2016, at Friday, 9:52 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Jim,

I do not have a key or paddle so can't check that – Quisk in USB or LSB with the softrock ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 9:41 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - do you have a key or paddle to connect to your RXTX? If so, does it transmit CW when you key it?

What happens to the PTT when you put Quisk into USB-L or USB-U? Does the PTT do anything then?

Jim / W6JHB

On Friday, Feb 12, 2016, at Friday, 9:33 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

More Info.

I ran a test by loading Hermes on to my quisk and the PTT button shows up on the display and turns red. I found the code in Hermes that does the OnButton but I do not see any similar code in the softrock ensemble main coded or in the widget code. I tried adding that code to the widget –but nothing happened –I think having the PTT show up black is necessary.

Any clues would be most appreciated.

Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 10:57 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

On my laptop .. the PTT is black and i dont have a SDR hooked to the puter ...

When i hit PTT it turns red ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 22:12:45 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Mike,

When all else fails read the instructions --- in the help file on 4.0.3 –it says folks got tired of changing the config file –so now it is all done with the gui.

My question about the PTT was that it is white lettering versus black like on the active buttons –and the active buttons depress (visually it looks that way).

The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.

73’s
Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 9:18 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

the ptt is not an external connection. i do believe that it is part of the communication with the AVR.

If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.

You might need to overclock your Rp2 some ....

I dont know ...

To: n2adr-sdr@yahoogroups.com
CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:59:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Jim,

I am running 4.0.3 and perhaps as Mike suggested the file is not needed –the display and buttons seem to work all except for the PTT. It is not connected to the radio other than the control board to the softrock and there is no register of an I2C showing up.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:40 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.

On Feb 11, 2016, at 20:29, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Did you overclock the Pi2 ?

Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version 4 can use it .. we were moving to a gui setup ...

Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

---
To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
Folsom, CA

On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.

Basically in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.

Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.

I also tried i2cdetect and the panel shows nothing connected -- so another issue.

I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@gmail.com.

Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file

Thanks in advance.
Pete N6QW

2059. Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-13 02:36:40 UTC
From: James Bennett
Topic: 2040 Message: 2059

Pete - sounds like you are getting closer and sorry my config file didn't resolve it. It took me a lot of f@rting around to get it working in the RPi and because of that I've been reluctant to try upgrading to v4. Guess I could build a new folder for v4 and give it a try. I'd sure be pissed though if it messed up my working v3.7.7... ☐

> On Feb 12, 2016, at 18:25, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Jim,
>
> Thank you –but that didn’t work – however I did load hardware_usb and aside from two error messages about a fredv file not being false and that I didn’t have permission to access the usb interface – the PTT and vox work – but no display.
>
> I just wished there was a better bread crumb trail so those of us who don’t know could know.
>
> Thanks you for taking the time to copy the file and answering my question – one thing I might do is make another directory with 3.7.7 and see if I can get that to work and then I would have a better idea of the fix. Then I could use the file you sent me.
>
> 73’s
> Pete N6QW
>
> From: mailto:n2adr-sdr@yahoogroups.com
> Sent: Friday, February 12, 2016 11:39 AM
> To: n2adr-sdr@yahoogroups.com
> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
>
>
> Pete - here is a copy/paste of my quick_conf.py file. Not a lot specific to PTT, but maybe you can see something that might make yours work. Keep in mind I am using version 3.7.7 and not V4.
>
>
> Jim / W6JHB
>
> # This is the quisk_conf.py configuration file for a soundcard.
> # Copied from the *softrock* configuration file on 29-Oct-2015 by W6JHB
>
> # **
> # NOTE: this file is to be found in the /home/pi directory!!!! *
> # **
>
> # This is a sample quisk_conf.py configuration file for a SoftRock Rx/Tx Ensemble or
> # other SoftRock that has both transmit and receive capability. You need two sound

```
> # cards, a high quality card to capture radio samples and play microphone sound; and
> # a lower quality card to play radio sound and capture the microphone.
>
> from softrock import hardware_usb as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
>
> # In Linux, ALSA soundcards have these names. The "hw" devices are the raw
> # hardware devices, and should be used for soundcard capture.
> #name_of_sound_capt = "hw:0"
> #name_of_sound_capt = "hw:1"
> #name_of_sound_capt = "plughw"
> #name_of_sound_capt = "plughw:1"
> #name_of_sound_capt = "default"
>
> # Pulseaudio support added by Philip G. Lee. Many thanks!
> # For PulseAudio support, use the name "pulse" and connect the streams
> # to your hardware devices using a program like pavucontrol
> #name_of_sound_capt = "pulse"
>
> softrock_model = "RxTxEnsemble"
> si570_direct_control = True
> si570_i2c_address = 0x70
> si570_xtal_frequency = 14444263
>
> ## data_poll_usec
> Hardware poll usecs, integer
> # Quisk polls the hardware for samples at intervals. This is the poll time in
microseconds.
> # A lower time reduces latency. A higher time is less taxing on the hardware.(was 5000)
> data_poll_usec = 500
> latency_millisecs = 150
>
>
> ## rx_max_amplitude_correct Max ampl correct, number
> # If you get your I/Q samples from a sound card, you will need to correct the
> # amplitude and phase for inaccuracies in the analog hardware. The correction is
> # entered using the controls from the "Rx Phase" button on the config screen.
> # No correction is 1.00. This controls the range of the control.
> rx_max_amplitude_correct = 0.2
>
> ## rx_max_phase_correct
> Max phase correct, number
> # If you get your I/Q samples from a sound card, you will need to correct the
> # amplitude and phase for inaccuracies in the analog hardware. The correction is
> # entered using the controls from the "Rx Phase" button on the config screen.
> # No correction is 0.00. This controls the range of the control in degrees.
> rx_max_phase_correct = 10.0
>
>
> # If you have a SoftRock with a key jack, and you want to monitor the hardware key state
```

for
> # CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in seconds.
> # Do not press the PTT button. CW has its own timer to control transmit.
> key_poll_msec = 5
> key_hang_time = 0.7
>
> #This controls if Quisk will display a sidetone volume control and if there is sidetone or not
> use_sidetone = 0 # No sidetone, no volume control
>
> # If your mixing scheme inverts the RF Spectrum, set this option to un-invert it
> invert_spectrum = 0
> channel_i = 1
> channel_q = 0
>
>
>
>
> # Radio samples and audio:
> sample_rate = 48000
> # ADC hardware sample rate
> name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
> playback_rate = 48000
> # radio sound playback rate
> name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48 ksps.
>
>
> # Microphone:
> microphone_name = name_of_sound_play # Name of microphone capture device
> name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a sound card
> mic_playback_rate = sample_rate # Playback rate for microphone
> #mic_out_volume = 0.6
> # Transmit sound output volume (after all processing) as a fraction 0.0 to 1.0
>
> repeater_delay = 0.25
> # delay for changing repeater frequency in seconds
>> On Friday, Feb 12, 2016, at Friday, 9:52 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>
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>> Hi Jim,
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>> I do not have a key or paddle so can’t check that – Quisk in USB or LSB with the softrock ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.
>>
>> Pete

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>> Sent: Friday, February 12, 2016 9:41 AM
>> To: n2adr-sdr@yahoogroups.com
>> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
>>
>>
>> Pete - do you have a key or paddle to connect to your RXTX? If so, does it transmit CW when you key it?
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>> What happens to the PTT when you put Quisk into USB-L or USB-U? Does the PTT do anything then?
>>
>> Jim / W6JHB
>>
>>
>>> On Friday, Feb 12, 2016, at Friday, 9:33 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>>
>>> More Info.
>>>
>>> I ran a test by loading Hermes on to my quisk and the PTT button shows up on the display and turns red. I found the code in Hermes that does the OnButton but I do not see any similar code in the softrock ensemble main coded or in the widget code. I tried adding that code to the widget –but nothing happened –I think having the PTT show up black is necessary.
>>>
>>> Any clues would be most appreciated.
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>>> Pete N6QW
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>>> On my laptop .. the PTT is black and i dont have a SDR hooked to the puter ...
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>>> From: n2adr-sdr@yahoogroups.com
>>> Date: Thu, 11 Feb 2016 22:12:45 -0800
>>> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
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>>>
>>> Hi Mike,
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>>> When all else fails read the instructions --- in the help file on 4.0.3 –it says folks got tired of changing the config file –so now it is all done with the gui.
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>>> My question about the PTT was that it is white lettering versus black like on the active buttons –and the active buttons depress (visually it looks that way).
>>>
>>> The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.
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>>> 73’s
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>>> Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
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>>> the ptt is not an external connection. i do believe that it is part of the communication with the AVR.
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>>> If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.
>>>
>>> You might need to overclock your Rp2 some ....
>>>
>>> I dont know ...
>>>
>>> To: n2adr-sdr@yahoogroups.com
>>> CC: patriot121@...
>>> From: n2adr-sdr@yahoogroups.com
>>> Date: Thu, 11 Feb 2016 20:59:58 -0800
>>> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
>>>
>>>
>>>
>>> Hi Jim,
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>>> I am running 4.0.3 and perhaps as Mike suggested the file is not needed –the display and buttons seem to work all except for the PTT. It is not connected to the radio other than the control board to the softrock and there is no register of an I2C showing up.
>>>
>>> Pete
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>>> From: mailto:n2adr-sdr@yahoogroups.com

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>>> Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.
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>>>> Did you overclock the Pi2 ?
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>>>> Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.
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>>>> Though the new version 4 can use it .. we were moving to a gui setup ...
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>>>> Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm
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>>>> To: n2adr-sdr@yahoogroups.com
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>>>> Date: Thu, 11 Feb 2016 20:20:58 -0800
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>>>> Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
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>>>>> On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>>>> I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.
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>>>>> Basically in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have

tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.
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>>>>> Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.
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>>>>> I also tried i2cdetect and the panel shows nothing connected -- so another issue.
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>>>>> I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@....
>>>>>
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>>>>> Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file
>>>>>
>>>>>
>>>>> Thanks in advance.
>>>>> Pete N6QW
>>>>>
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2060. Now Workingh [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-13 03:33:59 UTC
From: RadiosRUs
Topic: 2040 Message: 2060

Hi Jim,

Ethan (KB8OJH.net) on his website had a slightly different line for USB permission

sudo nano /etc/udev/rules.d/99-softrock.rules and then the standard info SUBSYSTEM==”usb” ... That worked and the hardware is hardware_usb. You do not need anything in the config file. The freedv message was fixed in the control panel under the control tab. When you hit PTT the Rx mutes and the button turns red.
This is now getting exciting. So 4.0.3 works.
Thanks for you help.
73’s
Pete N6QW
From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 6:36 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - sounds like you are getting closer and sorry my config file didn't resolve it. It took me a lot of f@rting around to get it working in the RPi and because of that I've been reluctant to try upgrading to v4. Guess I could build a new folder for v4 and give it a try. I'd sure be pissed though if it messed up my working v3.7.7... ☐

On Feb 12, 2016, at 18:25, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Jim,

Thank you –but that didn’t work – however I did load hardware_usb and aside from two error messages about a fredv file not being false and that I didn’t have permission to access the usb interface – the PTT and vox work – but no display.

I just wished there was a better bread crumb trail so those of us who don’t know could know.

Thanks you for taking the time to copy the file and answering my question – one thing I might do is make another directory with 3.7.7 and see if I can get that to work and then I would have a better idea of the fix. Then I could use the file you sent me.

73’s
Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 11:39 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - here is a copy/paste of my quick_conf.py file. Not a lot specific to PTT, but maybe you can see something that might make yours work. Keep in mind I am using version 3.7.7 and not V4.

Jim / W6JHB

```
# This is the quisk_conf.py configuration file for a soundcard.
# Copied from the *softrock* configuration file on 29-Oct-2015 by W6JHB

# ************************************************************************
# NOTE: this file is to be found in the /home/pi directory!!!! *
# ************************************************************************

# This is a sample quisk_conf.py configuration file for a SoftRock Rx/Tx Ensemble or
# other SoftRock that has both transmit and receive capability. You need two sound
# cards, a high quality card to capture radio samples and play microphone sound; and
# a lower quality card to play radio sound and capture the microphone.

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets

# In Linux, ALSA soundcards have these names. The "hw" devices are the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_i2c_address = 0x70
si570_xtal_frequency = 14444263

## data_poll_usec Hardware poll usecs, integer
# Quisk polls the hardware for samples at intervals. This is the poll time in microseconds.
# A lower time reduces latency. A higher time is less taxing on the hardware.(was 5000)
data_poll_usec = 500
latency_millisecs = 150

## rx_max_amplitude_correct Max ampl correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 1.00. This controls the range of the control.
rx_max_amplitude_correct = 0.2

## rx_max_phase_correct Max phase correct, number
# If you get your I/Q samples from a sound card, you will need to correct the
# amplitude and phase for inaccuracies in the analog hardware. The correction is
# entered using the controls from the "Rx Phase" button on the config screen.
# No correction is 0.00. This controls the range of the control in degrees.
rx_max_phase_correct = 10.0
```

```
# If you have a SoftRock with a key jack, and you want to monitor the hardware key state
for
# CW operation, enter a key poll time in milliseconds and a semi-break-in hang time in
seconds.
# Do not press the PTT button. CW has its own timer to control transmit.
key_poll_msec = 5
key_hang_time = 0.7

#This controls if Quisk will display a sidetone volume control and if there is sidetone or
not
use_sidetone = 0 # No sidetone, no volume control

# If your mixing scheme inverts the RF Spectrum, set this option to un-invert it
invert_spectrum = 0
channel_i = 1
channel_q = 0

# Radio samples and audio:
sample_rate = 48000 # ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio samples.
playback_rate = 48000 # radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio audio. Must be 48
ksps.

# Microphone:
microphone_name = name_of_sound_play # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is sent to a
sound card
mic_playback_rate = sample_rate # Playback rate for microphone
#mic_out_volume = 0.6 # Transmit sound output volume (after all processing) as a fraction
0.0 to 1.0

repeater_delay = 0.25 # delay for changing repeater frequency in seconds
```

On Friday, Feb 12, 2016, at Friday, 9:52 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Jim,

I do not have a key or paddle so can’t check that – Quisk in USB or LSB with the softrock ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Friday, February 12, 2016 9:41 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - do you have a key or paddle to connect to your RXTX? If so, does it transmit CW when you key it?

What happens to the PTT when you put Quisk into USB-L or USB-U? Does the PTT do anything then?

Jim / W6JHB

On Friday, Feb 12, 2016, at Friday, 9:33 AM, 'RadiosRUs' radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

More Info.

I ran a test by loading Hermes on to my quisk and the PTT button shows up on the display and turns red. I found the code in Hermes that does the OnButton but I do not see any similar code in the softrock ensemble main coded or in the widget code. I tried adding that code to the widget –but nothing happened –I think having the PTT show up black is necessary.

Any clues would be most appreciated.

Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 10:57 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

On my laptop .. the PTT is black and i dont have a SDR hooked to the puter ...

When i hit PTT it turns red ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 22:12:45 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Mike,

When all else fails read the instructions --- in the help file on 4.0.3 –it says folks got tired of changing the config file –so now it is all done with the gui.

My question about the PTT was that it is white lettering versus black like on the active buttons –and the active buttons depress (visually it looks that way).

The raspi config file lets you overclock but that also means adding a heat sink –so as soon as I get the heatsink I will do that. Seems to update ok as is. I will check the cpu loading and see what that says.

73’s
Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 9:18 PM
To: n2adr-sdr@yahoogroups.com
Subject: RE: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

the ptt is not an external connection. i do believe that it is part of the communication with the AVR.

If you can change frequency’s and usbsoftrock also concurs the change than it should also switch to Tx.

You might need to overclock your Rp2 some ....

I dont know ...

To: n2adr-sdr@yahoogroups.com
CC: patriot121@...
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:59:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Jim,

I am running 4.0.3 and perhaps as Mike suggested the file is not needed –the display and buttons seem to work all except for the PTT. It is not connected to the radio other than the control board to the softrock and there is no register of an I2C showing up.

Pete

From: mailto:n2adr-sdr@yahoogroups.com
Sent: Thursday, February 11, 2016 8:40 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yes, I did over clock it but not full blown AA Fuel Dragster though, just a mild over clock. I am not yet using V4 Quisk.

On Feb 11, 2016, at 20:29, MIKE DURKIN Patriot121@msn.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Did you overclock the Pi2 ?

Iv been wondering why Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version 4 can use it .. we were moving to a gui setup ...

Im using a quisk_conf.py too ... i have a few more buttons ... all the way up to 70cm

---

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you a copy of my config file on Friday morning if you are still interested. I have only two sound cards - the one built into the RPi2 which I use only to play back my audio for listening, and an external Tascam US-125M. But it does work, and I've used this configuration to make CW contacts, in addition to using the Ensemble RXTX for a WSPR station on 20 and 40 meters.

Jim Bennett / W6JHB
Folsom, CA

On Feb 11, 2016, at 6:55 PM, radioguy90@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

I am a newbie to the Pi2 and quisk --and am the point of yelling "uncle". Thanks to a lot of hand holding from Mike Durklin, I have managed to get quisk on a Pi2. I am posting my question here since it would have a wider audience.

Basically in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.

Right now there is nothing in the quisk_conf.py file as I have given up on trying to cut and paste pieces. All I want to do is operate the ensemble and just need to see what a generic file should look like. I also note that the PTT button on the panel is white so I have no clue how to turn on the transmitter. I am assuming that the quisk_conf.py file must have pieces that say use USB, and the hardware is the ensemble. I did create a my_hardware file and that blew chunks too with a can't find a my_.hardware module.

I also tried i2cdetect and the panel shows nothing connected -- so another issue.

I have photos of the various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@....

Getting the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py file

Thanks in advance.
Pete N6QW

2061. RE: Now Workingh [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-13 05:07:48 UTC
From: MIKE DURKIN
Topic: 2040 Message: 2061

Honestly i always used the one form ghpsdr3-alex .. but its gone now. no idea why.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 12 Feb 2016 19:33:59 -0800
Subject: Now Workingh [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Hi Jim,

Ethan (KB8OJH.net) on his website had a slightly different line for USB permission

sudo nano /etc/udev/rules.d/99-softrock.rules and then the standard info SUBSYSTEM==”usb” ... That worked and the hardware is hardware_usb. You do not need anything in the config file. The freedv message was fixed in the control panel under the control tab. When you hit PTT the Rx mutes and the button turns red.

This
is now getting exciting. So 4.0.3 works.

Thanks
for you help.

73’s

Pete
N6QW

From:
mailto:n2adr-sdr@yahoogroups.com

Sent: Friday, February 12, 2016 6:36 PM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2
install

Pete - sounds like you are getting closer and sorry my config file didn't resolve it. It took me a lot of f@rting around to get it working in the RPi and because of that I've been reluctant to try upgrading to v4. Guess I could build a new folder for v4 and give it a try. I'd sure be pissed though if it messed up my working v3.7.7... ☐

On Feb 12, 2016, at 18:25, 'RadiosRUs' radioguy90@hotmail.com [n2adr-sdr]
<n2adr-sdr@yahoogroups.com>
wrote:

Hi Jim,

Thank you –but that didn’t work – however I did load hardware_usb and aside from two error messages about a fredv file not being false and that I didn’t have permission to access the usb interface – the PTT and vox work – but no display.

I just wished there was a better bread crumb trail so those of us who don’t know could know.

Thanks you for taking the time to copy the file and answering my question – one thing I might do is make another directory with 3.7.7 and see if I can get that to work and then I would have a better idea of the fix. Then I could use the file you sent me.

73’s
Pete N6QW

From: mailto:n2adr-sdr@yahoogroups.com

Sent: Friday, February 12, 2016 11:39 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - here is a copy/paste of my quick_conf.py file. Not a lot specific to PTT, but maybe you can see something that might make yours work. Keep in mind I am using version 3.7.7 and not V4.

Jim / W6JHB

```
# This is the quisk_conf.py configuration file for a soundcard.
# Copied from the *softrock* configuration file on 29-Oct-2015 by W6JHB

#
**************************************************************************
# NOTE: this file is to be found in the /home/pi directory!!!!
*
#
**************************************************************************

# This is a sample quisk_conf.py configuration file for a SoftRock Rx/Tx Ensemble or
# other SoftRock that has both transmit and receive capability. You need two sound
# cards, a high quality card to capture radio samples and play microphone sound; and
# a lower quality card to play radio sound and capture the microphone.

from softrock import hardware_usb as quisk_hardware
from softrock import widgets_tx as quisk_widgets
```

```
# In Linux, ALSA soundcards have these names. The "hw" devices are
the raw
# hardware devices, and should be used for soundcard capture.
#name_of_sound_capt = "hw:0"
#name_of_sound_capt = "hw:1"
#name_of_sound_capt = "plughw"
#name_of_sound_capt = "plughw:1"
#name_of_sound_capt = "default"

# Pulseaudio support added by Philip G. Lee. Many thanks!
# For PulseAudio support, use the name "pulse" and connect the
streams
# to your hardware devices using a program like pavucontrol
#name_of_sound_capt = "pulse"

softrock_model = "RxTxEnsemble"
si570_direct_control = True
si570_i2c_address = 0x70
si570_xtal_frequency = 14444263

## data_poll_usec
Hardware poll usecs, integer
# Quisk polls the hardware for samples at intervals. This is the
poll time in microseconds.
# A lower time reduces latency. A higher time is less taxing on the
hardware.(was 5000)
data_poll_usec = 500
latency_millisecs = 150

## rx_max_amplitude_correct Max ampl correct, number
# If you get your I/Q samples from a sound card, you will need to correct
the
# amplitude and phase for inaccuracies in the analog hardware. The
correction is
# entered using the controls from the "Rx Phase" button on the config
screen.
# No correction is 1.00. This controls the range of the
control.
rx_max_amplitude_correct = 0.2

## rx_max_phase_correct Max phase correct, number
# If you get your I/Q samples from a sound card, you will need to correct
the
# amplitude and phase for inaccuracies in the analog hardware. The
correction is
# entered using the controls from the "Rx Phase" button on the config
screen.
# No correction is 0.00. This controls the range of the control in
degrees.
rx_max_phase_correct = 10.0

# If you have a SoftRock with a key jack, and you want to monitor the
hardware key state for
```

```
# CW operation, enter a key poll time in milliseconds and a semi-break-in
hang time in seconds.
# Do not press the PTT button. CW has its own timer to control
transmit.
key_poll_msec = 5
key_hang_time = 0.7

#This controls if Quisk will display a sidetone volume control and if
there is sidetone or not
use_sidetone = 0 # No sidetone, no volume
control

# If your mixing scheme inverts the RF Spectrum, set this option to
un-invert it
invert_spectrum = 0
channel_i = 1
channel_q = 0

# Radio samples and audio:
sample_rate = 48000
# ADC hardware sample rate
name_of_sound_capt = "hw:1" # Name of soundcard capture device for radio
samples.
playback_rate = 48000
# radio sound playback rate
name_of_sound_play = "hw:0" # Name of soundcard playback device for radio
audio. Must be 48 ksps.

# Microphone:
microphone_name = name_of_sound_play # Name of microphone capture device
name_of_mic_play = name_of_sound_capt # Name of play device if CW or mic I/Q is
sent to a sound card
mic_playback_rate = sample_rate # Playback rate for microphone
#mic_out_volume = 0.6
# Transmit sound output volume (after all processing) as a fraction 0.0
to 1.0

repeater_delay = 0.25
# delay for changing repeater frequency in seconds
```

On Friday, Feb 12, 2016, at Friday, 9:52 AM,
'RadiosRUs' radioguy90@hotmail.com [n2adr-sdr]
<n2adr-sdr@yahoogroups.com>
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Hi Jim,

I do not have a key or paddle so can’t check that – Quisk in USB or LSB with the softrock ensemble –PTT does not work. With Hermes loaded on the quisk the PTT does work. There is code in the Hermes to detect the PTT but that same code seems missing with the softrock ensemble.

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February 12, 2016 9:41 AM
To: n2adr-sdr@yahoogroups.com
Subject: Re:
[n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Pete - do you have a key or paddle to connect
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Subject: RE:
[n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

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CC: patriot121@msn.com
From: n2adr-sdr@yahoogroups.com
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Subject: Re: [n2adr-sdr] quisk_conf.py
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just a mild over clock. I am not yet using V4 Quisk.

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Pete's isnt working .. and why using a quisk_conf.py file.

Though the new version
4 can use it .. we were moving to a gui setup ...

Im using
a quisk_conf.py
too ... i have a few more buttons ... all the way up to
70cm

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Date:
Thu, 11 Feb 2016 20:20:58 -0800
Subject: Re: [n2adr-sdr]
quisk_conf.py file for Raspberry Pi2 install

Pete - I'm running Quisk on my RPi2 and would be happy to send you
a copy of my config file on Friday morning if you are still interested.
I have only two sound cards - the one built into the RPi2 which I use
only to play back my audio for listening, and an external Tascam
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contacts, in addition to using the Ensemble RXTX for a WSPR station on
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Jim Bennett / W6JHB
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--and am the point of yelling "uncle". Thanks to a lot of hand holding
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Basically
in the quisk directory and using the command python quisk.py I am able to get the display and see all of the numbers changing. I am using three sound cards --two external and the internal for the radio speaker. The softrock will be the ensemble. I have tried building a custom quisk_conf.py file and that typically results in a disaster such as you don't have permission to change the USB -- (I did make the local rules permission) Other error messages say can't find the hardware usb file module and on and on. Most of the time it locks up the screen.

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module.

I also tried i2cdetect
and the panel shows nothing connected -- so another
issue.

I have photos of the
various panels and can share outside of this reflector if that would help in coming up with the solution, My email is n6qwham@gmail.com.

Getting
the ensemble to work on PowerSDR was not easy and I find quisk to be more intuitive save for not being able to build a quisk_conf.py
file

Thanks in
advance.
Pete
N6QW

2062. Re: Now Workingh [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install

Yahoo group: n2adr-sdr
Date: 2016-02-13 07:22:34 UTC
From: Sid Boyce
Topic: 2040 Message: 2062

This is turning out to be quite a saga.
Even I who collaborated with N2ADR to get Softrock supported on Linux
all those years ago am confused by this runaway thread.

I don't have any Softrock gear on the desk right now but I have run
Softrock v6.3 + Mobo v3.6, SR63ng +Mobo v4.3.4 + SDR-Widget, RXTX,
UHFSDR+ SDR-Widget and now HiQSDR and Hermes-Lite.

Apart from an initial misunderstanding when setting the multiplier for
UHFSDR, there has never been a single hiccup.
SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout"
73 ... Sid.

On 13/02/16 05:07, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Honestly i always used the one form ghpsdr3-alex .. but its gone now.
> no idea why.
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 12 Feb 2016 19:33:59 -0800
> Subject: Now Workingh [n2adr-sdr] quisk_conf.py file for Raspberry Pi2
> install
>
>
> Hi Jim,
> Ethan (KB8OJH.net) on his website had a slightly different line for
> USB permission
> sudo nano /etc/udev/rules.d/99-softrock.rules and then the
> standard info SUBSYSTEM==”usb” ... That worked and the hardware is
> hardware_usb. You do not need anything in the config file. The freedv
> message was fixed in the control panel under the control tab. When you
> hit PTT the Rx mutes and the button turns red.
> This is now getting exciting. So 4.0.3 works.
> Thanks for you help.
> 73’s
> Pete N6QW
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Friday, February 12, 2016 6:36 PM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2 install
>
> Pete - sounds like you are getting closer and sorry my config file
> didn't resolve it. It took me a lot of f@rting around to get it

> working in the RPi and because of that I've been reluctant to try
> upgrading to v4. Guess I could build a new folder for v4 and give it
> a try. I'd sure be pissed though if it messed up my working v3.7.7...
> Crying face
>
> On Feb 12, 2016, at 18:25, 'RadiosRUs' radioguy90@...
> <mailto:radioguy90@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Hi Jim,
> Thank you –but that didn’t work – however I did load
> hardware_usb and aside from two error messages about a fredv file
> not being false and that I didn’t have permission to access the
> usb interface – the PTT and vox work – but no display.
> I just wished there was a better bread crumb trail so those of us
> who don’t know could know.
> Thanks you for taking the time to copy the file and answering my
> question – one thing I might do is make another directory with
> 3.7.7 and see if I can get that to work and then I would have a
> better idea of the fix. Then I could use the file you sent me.
> 73’s
> Pete N6QW
> *From:* mailto:n2adr-sdr@yahoogroups.com
> *Sent:* Friday, February 12, 2016 11:39 AM
> *To:* n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:* Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2
> install
> Pete - here is a copy/paste of my quick_conf.py file. Not a lot
> specific to PTT, but maybe you can see something that might make
> yours work. Keep in mind I am using version 3.7.7 and not V4.
> Jim / W6JHB
> # This is the quisk_conf.py configuration file for a soundcard.
> # Copied from the *softrock* configuration file on 29-Oct-2015 by
> W6JHB
> #
> **
> # NOTE: this file is to be found in the /home/pi directory!!!! *
> #
> **
> # This is a sample quisk_conf.py configuration file for a SoftRock
> Rx/Tx Ensemble or
> # other SoftRock that has both transmit and receive capability.
> You need two sound
> # cards, a high quality card to capture radio samples and play
> microphone sound; and
> # a lower quality card to play radio sound and capture the microphone.
> from softrock import hardware_usb as quisk_hardware
> from softrock import widgets_tx as quisk_widgets
> # In Linux, ALSA soundcards have these names. The "hw" devices
> are the raw

```
> # hardware devices, and should be used for soundcard capture.
> #name_of_sound_capt = "hw:0"
> #name_of_sound_capt = "hw:1"
> #name_of_sound_capt = "plughw"
> #name_of_sound_capt = "plughw:1"
> #name_of_sound_capt = "default"
> # Pulseaudio support added by Philip G. Lee. Many thanks!
> # For PulseAudio support, use the name "pulse" and connect the streams
> # to your hardware devices using a program like pavucontrol
> #name_of_sound_capt = "pulse"
> softrock_model = "RxTxEnsemble"
> si570_direct_control = True
> si570_i2c_address = 0x70
> si570_xtal_frequency = 14444263
> ## data_poll_usecHardware poll usecs, integer
> # Quisk polls the hardware for samples at intervals. This is the
> poll time in microseconds.
> # A lower time reduces latency. A higher time is less taxing on
> the hardware.(was 5000)
> data_poll_usec = 500
> latency_millisecs = 150
> ## rx_max_amplitude_correctMax ampl correct, number
> # If you get your I/Q samples from a sound card, you will need to
> correct the
> # amplitude and phase for inaccuracies in the analog hardware.
> The correction is
> # entered using the controls from the "Rx Phase" button on the
> config screen.
> # No correction is 1.00. This controls the range of the control.
> rx_max_amplitude_correct = 0.2
> ## rx_max_phase_correctMax phase correct, number
> # If you get your I/Q samples from a sound card, you will need to
> correct the
> # amplitude and phase for inaccuracies in the analog hardware.
> The correction is
> # entered using the controls from the "Rx Phase" button on the
> config screen.
> # No correction is 0.00. This controls the range of the control
> in degrees.
> rx_max_phase_correct = 10.0
> # If you have a SoftRock with a key jack, and you want to monitor
> the hardware key state for
> # CW operation, enter a key poll time in milliseconds and a
> semi-break-in hang time in seconds.
> # Do not press the PTT button. CW has its own timer to control
> transmit.
> key_poll_msec = 5
> key_hang_time = 0.7
> #This controls if Quisk will display a sidetone volume control and
> if there is sidetone or not
```

> use_sidetone = 0 # No sidetone, no volume control
> # If your mixing scheme inverts the RF Spectrum, set this option
> to un-invert it
> invert_spectrum = 0
> channel_i = 1
> channel_q = 0
> # Radio samples and audio:
> sample_rate = 48000# ADC hardware sample rate
> name_of_sound_capt = "hw:1"# Name of soundcard capture device for
> radio samples.
> playback_rate = 48000# radio sound playback rate
> name_of_sound_play = "hw:0"# Name of soundcard playback device for
> radio audio. Must be 48 ksps.
> # Microphone:
> microphone_name = name_of_sound_play# Name of microphone capture
> device
> name_of_mic_play = name_of_sound_capt# Name of play device if CW
> or mic I/Q is sent to a sound card
> mic_playback_rate = sample_rate# Playback rate for microphone
> #mic_out_volume = 0.6# Transmit sound output volume (after all
> processing) as a fraction 0.0 to 1.0
> repeater_delay = 0.25# delay for changing repeater frequency in
> seconds
>
> On Friday, Feb 12, 2016, at Friday, 9:52 AM, 'RadiosRUs'
> radioguy90@... <mailto:radioguy90@...>
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> Hi Jim,
> I do not have a key or paddle so can’t check that – Quisk
> in USB or LSB with the softrock ensemble –PTT does not work.
> With Hermes loaded on the quisk the PTT does work. There is
> code in the Hermes to detect the PTT but that same code seems
> missing with the softrock ensemble.
> Pete
> *From:*mailto:n2adr-sdr@yahoogroups.com
> *Sent:*Friday, February 12, 2016 9:41 AM
> *To:*n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:*Re: [n2adr-sdr] quisk_conf.py file for Raspberry Pi2
> install
>
> Pete - do you have a key or paddle to connect to your RXTX? If
> so, does it transmit CW when you key it?
>
> What happens to the PTT when you put Quisk into USB-L or
> USB-U? Does the PTT do anything then?
> Jim / W6JHB
>
> On Friday, Feb 12, 2016, at Friday, 9:33 AM,
> 'RadiosRUs'radioguy90@...

> <mailto:radioguy90@...>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> More Info.
> I ran a test by loading Hermes on to my quisk and the PTT
> button shows up on the display and turns red. I found the
> code in Hermes that does the OnButton but I do not see any
> similar code in the softrock ensemble main coded or in the
> widget code. I tried adding that code to the widget –but
> nothing happened –I think having the PTT show up black
> is necessary.
> Any clues would be most appreciated.
> Pete N6QW
> *From:*mailto:n2adr-sdr@yahoogroups.com
> *Sent:*Thursday, February 11, 2016 10:57 PM
> *To:*n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:*RE: [n2adr-sdr] quisk_conf.py file for Raspberry
> Pi2 install
> On my laptop .. the PTT is black and i dont have a SDR
> hooked to the puter ...
>
> When i hit PTT it turns red ....
>
> ---
> To:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> From:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 11 Feb 2016 22:12:45 -0800
> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry
> Pi2 install
>
> Hi Mike,
> When all else fails read the instructions --- in the help
> file on 4.0.3 –it says folks got tired of changing the
> config file –so now it is all done with the gui.
> My question about the PTT was that it is white lettering
> versus black like on the active buttons –and the active
> buttons depress (visually it looks that way).
> The raspi config file lets you overclock but that also
> means adding a heat sink –so as soon as I get the
> heatsink I will do that. Seems to update ok as is. I will
> check the cpu loading and see what that says.
> 73’s
> Pete
> *From:*mailto:n2adr-sdr@yahoogroups.com
> *Sent:*Thursday, February 11, 2016 9:18 PM
> *To:*n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>

> *Subject:*RE: [n2adr-sdr] quisk_conf.py file for Raspberry
> Pi2 install
> the ptt is not an external connection. i do believe that
> it is part of the communication with the AVR.
>
> If you can change frequency’s and usbsoftrock also
> concurs the change than it should also switch to Tx.
>
> You might need to overclock your Rp2 some ....
>
> I dont know ...
>
> ---
> To:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> CC:patriot121@... <mailto:patriot121@...>
> From:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 11 Feb 2016 20:59:58 -0800
> Subject: Re: [n2adr-sdr] quisk_conf.py file for Raspberry
> Pi2 install
>
> Hi Jim,
> I am running 4.0.3 and perhaps as Mike suggested the file
> is not needed –the display and buttons seem to work all
> except for the PTT. It is not connected to the radio other
> than the control board to the softrock and there is no
> register of an I2C showing up.
> Pete
> *From:*mailto:n2adr-sdr@yahoogroups.com
> *Sent:*Thursday, February 11, 2016 8:40 PM
> *To:*n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> *Subject:*Re: [n2adr-sdr] quisk_conf.py file for Raspberry
> Pi2 install
> Yes, I did over clock it but not full blown AA Fuel
> Dragster though, just a mild over clock. I am not yet
> using V4 Quisk.
>
> On Feb 11, 2016, at 20:29, MIKE DURKINPatriot121@...
> <mailto:Patriot121@...>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Did you overclock the Pi2 ?
>
> Iv been wondering why Pete's isnt working .. and why
> using aquisk_conf.py file.
>
> Though the new version 4 can use it .. we were moving

> to a gui setup ...
>
> Im using aquisk_conf.py too ... i have a few more
> buttons ... all the way up to 70cm
>
> ---
> To:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> From:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 11 Feb 2016 20:20:58 -0800
> Subject: Re: [n2adr-sdr] quisk_conf.py file for
> Raspberry Pi2 install
>
> Pete - I'm running Quisk on my RPi2 and would be happy
> to send you a copy of my config file on Friday morning
> if you are still interested. I have only two sound
> cards - the one built into the RPi2 which I use only
> to play back my audio for listening, and an external
> Tascam US-125M. But it does work, and I've used this
> configuration to make CW contacts, in addition to
> using the Ensemble RXTX for a WSPR station on 20 and
> 40 meters.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Feb 11, 2016, at 6:55 PM,radioguy90@...
> <mailto:radioguy90@...>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
> I am a newbie to the Pi2 and quisk --and am the
> point of yelling "uncle". Thanks to a lot of hand
> holding from Mike Durklin, I have managed to get
> quisk on a Pi2. I am posting my question here
> since it would have a wider audience.
>
>
> Basically in the quisk directory and using the
> command python quisk.py I am able to get the
> display and see all of the numbers changing. I am
> using three sound cards --two external and the
> internal for the radio speaker. The softrock will
> be the ensemble. I have tried building a custom
> quisk_conf.py file and that typically results in a
> disaster such as you don't have permission to
> change the USB -- (I did make the local rules
> permission) Other error messages say can't find

> the hardware usb file module and on and on. Most
> of the time it locks up the screen.
>
>
> Right now there is nothing in the quisk_conf.py
> file as I have given up on trying to cut and paste
> pieces. All I want to do is operate the ensemble
> and just need to see what a generic file should
> look like. I also note that the PTT button on the
> panel is white so I have no clue how to turn on
> the transmitter. I am assuming that the
> quisk_conf.py file must have pieces that say use
> USB, and the hardware is the ensemble. I did
> create a my_hardware file and that blew chunks too
> with a can't find a my_.hardware module.
>
>
> I also tried i2cdetect and the panel shows nothing
> connected -- so another issue.
>
>
> I have photos of the various panels and can share
> outside of this reflector if that would help in
> coming up with the solution, My email
> isn6qwham@... <mailto:n6qwham@...>.
>
>
> Getting the ensemble to work on PowerSDR was not
> easy and I find quisk to be more intuitive save
> for not being able to build a quisk_conf.py file
>
>
> Thanks in advance.
> Pete N6QW
>
>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2063. DX cluster

Yahoo group: n2adr-sdr
Date: 2016-02-13 23:16:42 UTC
From: runeegil@...
Topic: 2063 Message: 2063
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

I have just upgraded to new firmware 1.4 and installed last version of quisk
All seems to run ok however, cluster dosent work. I have used the same setting as on a different computer
but still i have some error. Anyone that can explain ?. see attached picture:

2064. Re: DX cluster

Yahoo group: n2adr-sdr
Date: 2016-02-14 07:25:15 UTC
From: Graeme Jury
Topic: 2063 Message: 2064

Hi Rune,

I wonder if you are using a log program like CQRLog which is using the same cluster details as you have provided for Quisk. This would cause a clash and stop the Quisk cluster working.

73, Graeme ZL2APV

2065. Re: [n2adr-sdr] DX cluster [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2016-02-14 18:30:58 UTC
From: Peter Johnson
Topic: 2063 Message: 2065

Hi Rune.
Have you got a port number set.
Just tried on my machine and in the quisk_conf.py my settings are:-

```
dxClHost = 'la7q.ddns.net'
dxClPort = 9000 # port number for telnet
user_call_sign = 'f1vkk' # your radio station call sign; probably
needed for telnet login
dxClPassword = '' # telnet password
```

73 Peter F1VKK

On 14/02/2016 00:16, runeegil@... [n2adr-sdr] wrote:
>
> Hi All,
>
> I have just upgraded to new firmware 1.4 and installed last version of
> quisk
> All seems to run ok however, cluster dosent work. I have used the same
> setting as on a different computer
> but still i have some error. Anyone that can explain ?. see attached
> picture:
>
>
>
>

2066. Re: DX cluster

Yahoo group: n2adr-sdr
Date: 2016-02-14 20:21:59 UTC
From: runeegil@...
Topic: 2063 Message: 2066

Hi Graeme

Yes i do use another software with cluster function and same address etc, HRD logbook. I have closed the the logbook and even sett different addressin HRD logbook and also tryed different address in Quisk but no luck so far.

73 Rune LA7THA

2067. Re: [n2adr-sdr] DX cluster [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2016-02-14 20:29:39 UTC
From: runeegil@...
Topic: 2063 Message: 2067

Hi Peter

Thanks for mail, i guess the settings is done as shown in attached screen grab

73 Rune LA7THA

2068. Re: [n2adr-sdr] DX cluster

Yahoo group: n2adr-sdr
Date: 2016-02-14 21:01:49 UTC
From: Peter Johnson
Topic: 2063 Message: 2068

Hi Rune.
The Callsign for DX cluster should be la7tha (your callsign not la7q)
And Password for DX cluster should be blank remove la7tha

just for old times I remember you building your Mobo Kit while Maritime Mobile.
Are you still sailing the high seas.

73 Peter F1VKK

On 14/02/2016 21:29, runeegil@... [n2adr-sdr] wrote:
>
> Hi Peter
>
> Thanks for mail, i guess the settings is done as shown in attached
> screen grab
>
> 73 Rune LA7THA
>
>

2069. Rotary Encoder on Raspberry PI 2 and Quisk

Yahoo group: n2adr-sdr
Date: 2016-02-15 19:31:06 UTC
From: dan.tiganas@...
Topic: 2069 Message: 2069

Hi all,
I am building a standalone transceiver using Raspberry PI 2 + Quisk + Softrock RXTX. Everything works very well. I added some commands in Quisk hardware_usb.py to command PTT and Band Select for the QRO amplifier via GPIO pins.
However, now I am stuck in trying to add a rotary encoder in Quisk. The encoder is connected to GPIO pins. I've managed to change the frequency using the encoder, but the GUI gets stucked and crashes with the error "Fatal IO error 11 (Resource temporarily unavailable) on X server :1.0". This is well beyond my Python knowledge (which is very basic anyway).
I am using the rotary python library from here: Raspberry PI Rotary Encoder Source Code
Maybe somebody can give me a hint of what should I do next, I am totally lost for now...Appreciate your help, thanks, 73!

PS: I've changed the quisk.py as follows (changes in red).

```
--- quisk.py 2015-12-05 00:46:02.000000000 +0200
+++ quisk-4.0.3/quisk.py 2016-02-14 16:33:57.087882475 +0200
@@ -43,6 +43,11 @@
# call it to insure consistent behavior.
import socket
socket.setdefaulttimeout(0.005)
+from rotary_class import RotaryEncoder
+
+# Define GPIO inputs
+PIN_A = 17 # Pin A enconder
+PIN_B = 27 # Pin B encoder

application = None

class SoundThread(threading.Thread):
"""Create a second (non-GUI) thread to read, process and play sound."""
def __init__(self):
@@ -1721,6 +1727,21 @@
freq = - (- freq // wm * wm)
tune = freq - self.VFO
self.ChangeHwFrequency(tune, self.VFO, 'MouseWheel', event)
+
+ def EncTune(event):
+ if event == RotaryEncoder.CLOCKWISE:
+ application.rxFreq += 100
+ elif event == RotaryEncoder.ANTICLOCKWISE:
+ application.rxFreq -= 100
+ application.rxFreq = application.rxFreq // 100
+ application.rxFreq = application.rxFreq * 100
+ application.ChangeHwFrequency(application.rxFreq, application.VFO, 'MouseWheel', event)
+ try:
```

```
+ rswitch = RotaryEncoder(PIN_A, PIN_B, BUTTON, EncTune)
+ except:
+ pass

+
```

2070. Re: [n2adr-sdr] DX cluster

Yahoo group: n2adr-sdr
Date: 2016-02-15 21:40:06 UTC
From: runeegil@...
Topic: 2063 Message: 2070

Hi Peter,

Thanks, yes the "la7q" i know was wrong i just forgot to change it. No password seems to sort out the problem. Thanks for the help. Still working for the same company but working in the office. My last trip was three years ago after 15 years offshore. My Mobo is still in a box and running :-)

Do the quisk software support the ANT1 /ANT2 function fully, i can hear relay that is activated when i switch between ant1/ant2 but if i try to use one of the other ports for "second antenna / RX antenna" no RX is opserved.I cant remember this.

73 Rune LA7THA

2071. Antenna1 and antenna 2

Yahoo group: n2adr-sdr
Date: 2016-02-16 19:32:47 UTC
From: runeegil@...
Topic: 2071 Message: 2071

Hi All,

I wonder

When i select Antenna 1 in software, that is the one used as main antenna
lower left sma connector in picture. This is used as TX and RX antenna.

When selecting antenna 2 is that the other two sma connector / top left in picture below.

See also copy and paste on scematics below.

However, if i sellect antenna 2 and connect my antenna to one or the othere top left in picture i get nothing.

Is there any other settings that is needed in the conf.py file or any soldering bridge that is needed and i have forgotten.

I would like to use one antenna port for RX only antenna.

73 Rune LA7THA

2072. Quisk 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-02-16 20:28:00 UTC
From: jahlstr@...
Topic: 2072 Message: 2072

For radios using UDP (HiQSDR, Hermes, etc.) I added the transmit IP and port number to the radio configuration screens in order to support multiple radios on the same network. Leave these blank for normal operation. I fixed a drawing error that seems to occur on wx 3.0.

Jim

N2ADR

2073. Re: Rotary Encoder on Raspberry PI 2 and Quisk

Yahoo group: n2adr-sdr
Date: 2016-02-17 18:34:46 UTC
From: jahlstr@...
Topic: 2069 Message: 2073

Hello,

Quisk runs with two threads, a sound thread and a GUI thread. The callback function EncTune() is called by another thread supplied by the OS, and this interferes with the GUI thread.

To fix this, it is easiest to write new code in your hardware file. Create a hardware file if you don't have one and add some code:

```
from rotary_class import RotaryEncoder

class Hardware:
def __init__(self, app, conf):
# Keep track of the current tune frequency and VFO
self.tune_freq = 0
self.vfo_freq = 0
etc........

def open(self):

# Make a rotary control when opening the hardware
self.rswitch = RotaryEncoder(PIN_A, PIN_B, BUTTON, self.EncTune)
etc......

def ChangeFrequency(self, tune, vfo, source='', band='', event=None):
# When Quisk changes the frequency, record the new frequency
self.tune_freq = tune
self.vfo_freq = vfo
etc......

def ReturnFrequency(self):

# When Quisk asks for the current frequency, return it
return self.tune_freq, self.vfo_freq

def EncTune(self, event)
# When the control changes the frequency, adjust it
if event == RotaryEncoder.CLOCKWISE:
self.tune_freq += 100
elif event == RotaryEncoder.ANTICLOCKWISE:
self.tune_freq -= 100
```

This is untested code, but something like this should work.

Jim
N2ADR

2074. Re: [n2adr-sdr] Re: Rotary Encoder on Raspberry PI 2 and Quisk

Yahoo group: n2adr-sdr
Date: 2016-02-17 21:53:14 UTC
From: Daniel Tiganas
Topic: 2069 Message: 2074
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,
Thank you so much!!!!! It really works perfectly!!
I've changed my hardware_usb.py file from Softrock folder, that is the one
I am using.
Just a short note, I had to change a little bit ReturnFrequency(self):
because initially self.tune_freq is null, therefore Quisk starts @0 Hz. I
also added some code so I can use mouse_wheelmod config variable as tune
step for the encoder.
I've attached the diff file which include also PTT and Band commands.
Thanks again, really great job you're doing!!!!!
I am sooo happy!!! :-D

On Wed, Feb 17, 2016 at 8:34 PM, jahlstr@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello,
>
> Quisk runs with two threads, a sound thread and a GUI thread. The
> callback function EncTune() is called by another thread supplied by the OS,
> and this interferes with the GUI thread.
>
> To fix this, it is easiest to write new code in your hardware file.
> Create a hardware file if you don't have one and add some code:
>
> from rotary_class import RotaryEncoder
>
> class Hardware:
> def __init__(self, app, conf):
> # Keep track of the current tune frequency and VFO
> self.tune_freq = 0
> self.vfo_freq = 0
> etc........
>
> def open(self):
> # Make a rotary control when opening the hardware
> self.rswitch = RotaryEncoder(PIN_A, PIN_B, BUTTON, self.EncTune)
> etc......
>
> def ChangeFrequency(self, tune, vfo, source='', band='', event=None):
> # When Quisk changes the frequency, record the new frequency
> self.tune_freq = tune
> self.vfo_freq = vfo

> etc......
>
> def ReturnFrequency(self):
> # When Quisk asks for the current frequency, return it
> return self.tune_freq, self.vfo_freq
>
> def EncTune(self, event)
> # When the control changes the frequency, adjust it
> if event == RotaryEncoder.CLOCKWISE:
> self.tune_freq += 100
> elif event == RotaryEncoder.ANTICLOCKWISE:
> self.tune_freq -= 100
>
> This is untested code, but something like this should work.
>
> Jim
> N2ADR
>
>
>

--
Daniel Tiganas
Managing Director

SC IntraSys SRL
str. Parang, 21/50
400552, Cluj Napoca
RomaniaPhone: (+40) 745-035423

E-mail: mailto:daniel.tiganas@...
Web: http://www.intrasys.ro

2075. Re: [n2adr-sdr] Re: Rotary Encoder on Raspberry PI 2 and Quisk

Yahoo group: n2adr-sdr
Date: 2016-02-18 09:24:57 UTC
From: dan.tiganas@...
Topic: 2069 Message: 2075
Attachments: 2 described; binary payloads are missing from this source WARC

Updates. I discovered that there was a bug when Restarting Quisk from Config menu, because the rotary class initiate an event callback to detect if there is a change on GPIO pins, but that event is not deleted at restart. Therefore I modified rotary_class.py to add an event_removal definition that will delete the running GPIO threads, then I modified hardware_usb.py to call event_removal on Close Hardware definition.
Attached both diff files.

2076. New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-19 20:39:10 UTC
From: frspin@...
Topic: 2076 Message: 2076

I am trying to make a interface (RX only) to SoapySDR library. This libray is able to talk to different hardware.

I am not a C programmer but, as far as know, Quisk is able to read from a sound card and from an UDP stream (only for selected hardware). For reading from another libray I need a C module defining Open and Close for Python and Start Stop and Read (in C).

SoapySDR library have a C++ API, a C API and a Python API but, if i have read correctly Quisk documentation, I can't mix this API and I need to define function callable from Python in C extension module.

Is this correct or there is another mode for do this interface?
There is someone working on this library or in a similar library?

Regards
Franco Spinelli
IW2DHW

2077. Quisk/Fldigi on the Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-24 00:21:08 UTC
From: n7ihq.jim@...
Topic: 2077 Message: 2077

I have been evaluating the performance of Quisk and Fldigi on my Raspberry Pi 2 running Ubuntu MATE 15.10. The Quisk small screen button layout is ideal on my 5 inch 800x480 LCD display.

I connected Fldigi to Quisk using the ALSA loopback module. The audio stream was intermittent using the default hardware poll timing. After increasing the hardware poll interval from 5000 to 20000 usecs, the audio was fine and the setup is quite useful.

I measured the CPU usage using the Linux pidstat command, included with the sysstat package. There are two Python and two Fldigi threads shared among the 4 CPU cores in the Raspberry Pi 2. In Setup 1, the Quisk audio output and digital output are running simultaneously. In Setup 2, Fldigi is connected to the audio output and the digital output is not used.

Setup 1:
Audio output to Pi DAC
Digital output to Fldigi
DGT-L mode
CPU Python threads: 52%, 54%
CPU Fldigi threads: 10%, 21%

Setup 2:
Audio output to Fldigi
Digital output unused
LSB mode
CPU Python threads: 54%, 18%
CPU Fldigi threads: 9%, 25%

Note that the total CPU usage is 31% higher using both audio and digital outputs. I suggest adding the option of muting the audio output in digital modes to reduce the CPU load.

73,

Jim

N7IHQ

2078. Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-24 08:01:31 UTC
From: Sid Boyce
Topic: 2077 Message: 2078

I am about to try the Ubuntu Mate 15.10 distro as I had a SD card corruption with Raspbian Wheezy and decided to install Jessie instead.

The raspi-config script assumes the only user to be "pi" which I deleted. Changing /etc/lightdm/lightdm.conf from autologin-user=pi to autologin-user=hiqsdr and running "dpkg-reconfigure lightdm" has no effect in Jessie - was OK in Wheezy.

For my Standalone HiQSDR I need to autologin as user hiqsdr and automatically start quisk but it steadfastly presents me with a LXDE login prompt which of course needs a keyboard.
Whatever I try from google posts results in no change.
73 ... Sid.

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2079. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-24 11:07:41 UTC
From: Daniel Tiganas
Topic: 2077 Message: 2079

Hi Sid,
Why deleting user PI? You can change the password if you want but I think
it takes much less time to use pi user.

On Wed, Feb 24, 2016 at 10:01 AM, Sid Boyce g3vbv@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> I am about to try the Ubuntu Mate 15.10 distro as I had a SD card
> corruption with Raspbian Wheezy and decided to install Jessie instead.
>
> The raspi-config script assumes the only user to be "pi" which I deleted.
> Changing /etc/lightdm/lightdm.conf from autologin-user=pi to
> autologin-user=hiqsdr and running "dpkg-reconfigure lightdm" has no
> effect in Jessie - was OK in Wheezy.
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> For my Standalone HiQSDR I need to autologin as user hiqsdr and
> automatically start quisk but it steadfastly presents me with a LXDE
> login prompt which of course needs a keyboard.
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E-mail: mailto:daniel.tiganas@...
Web: http://www.intrasys.ro

2080. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-25 01:18:32 UTC
From: Sid Boyce
Topic: 2077 Message: 2080

User pi also did not autologin and was redundant.

Ubuntu Mate 15.10 does an autologin of user hiqsdr and I have created a
scipt for quisk and added it to "Startup Applications".
73 ... Sid.

On 24/02/16 11:07, Daniel Tiganas dan.tiganas@... [n2adr-sdr] wrote:
> Hi Sid,?
> Why deleting user PI? You can change the password if you want but I
> think it takes much less time to use pi user.?
>
> On Wed, Feb 24, 2016 at 10:01 AM, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> I am about to try the Ubuntu Mate 15.10 distro as I had a SD card
> corruption with Raspbian Wheezy and decided to install Jessie instead.
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> The raspi-config script assumes the only user to be "pi" which I
> deleted.
> Changing /etc/lightdm/lightdm.conf from autologin-user=pi to
> autologin-user=hiqsdr and running "dpkg-reconfigure lightdm" has no
> effect in Jessie - was OK in Wheezy.
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> For my Standalone HiQSDR I need to autologin as user hiqsdr and
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2081. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-25 11:25:25 UTC
From: Daniel Tiganas
Topic: 2077 Message: 2081

Hi Sid,
Try the following (worked for me)(I believe your user must have sudo
rights):

sudo nano /etc/inittab
Scroll down to the line :
1:2345:respawn:/sbin/getty 115200 tty1
and add a # character to the begining of the line to disable it :
#1:2345:respawn:/sbin/getty 115200 tty1
Under the line add the following :
1:2345:respawn:/bin/login -f [your_username] tty1 </dev/tty1 >/dev/tty1 2>&1

To load LXDE at startup edit /etc/profile
sudo nano /etc/profile
Scroll to the bottom and add the following line :
startx

To autostart apps on LXDE I am using the following:

nano /home/[your_username]/.config/lxsession/LXDE-pi/autostart

Optionally you can comment lxpanel, pcmanfm and xscreensaver, in that case
LXDE will start as a completely blank screen:

#@lxpanel --profile LXDE-pi
#@pcmanfm --desktop --profile LXDE-pi
#@xscreensaver -no-splash

Add your application (in this example quisk):
python /home/pi/quisk-4.0.3/quisk.py

Let me know if it works!

On Thu, Feb 25, 2016 at 3:18 AM, Sid Boyce g3vbv@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> User pi also did not autologin and was redundant.
>
> Ubuntu Mate 15.10 does an autologin of user hiqsdr and I have created a
> scipt for quisk and added it to "Startup Applications".
> 73 ... Sid.
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> On 24/02/16 11:07, Daniel Tiganas dan.tiganas@... [n2adr-sdr] wrote:
> > Hi Sid,Â
> > Why deleting user PI? You can change the password if you want but I
> > think it takes much less time to use pi user.Â
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> > On Wed, Feb 24, 2016 at 10:01 AM, Sid Boyce g3vbv@...
> > <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> > I am about to try the Ubuntu Mate 15.10 distro as I had a SD card
> > corruption with Raspbian Wheezy and decided to install Jessie
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> > The raspi-config script assumes the only user to be "pi" which I
> > deleted.
> > Changing /etc/lightdm/lightdm.conf from autologin-user=pi to
> > autologin-user=hiqsdr and running "dpkg-reconfigure lightdm" has no
> > effect in Jessie - was OK in Wheezy.
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> > For my Standalone HiQSDR I need to autologin as user hiqsdr and
> > automatically start quisk but it steadfastly presents me with a LXDE
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2082. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-25 13:38:32 UTC
From: Sid Boyce
Topic: 2077 Message: 2082

Thanks Dan,
Tried all those dodges to no avail. My guess that there is something buried somewhere that prevents simple file alterations taking effect and "dkpg-reconfigure lightdm" didn't sort it either.

With Wheezy, there was no problem, altering /etc/inittab simply did the trick with ~/.bash_login starting X and quisk.
"1:2345:respawn:/bin/login -f hiqsdr tty1 </dev/tty1 >/dev/tty1 2>&1"

However Jessie uses systemd rather than sysvinit, same for Ubuntu Mate 15.10.

I also tried setting it up in /lib/systemd/system/autologin@.service in Jessie, nothing worked - it point blank refused to autologin either with pi before it was deleted or with user hiqsdr.

Ubuntu Mate15.10, no probs on that score - it boots up fully as user hiqsdr and automatically starts quisk.
/etc/lightdm/lightdm.conf set to autologin-user=hiqsdr and added an executable script (/usr/local/bin/QUISK) to Settings --> Startup Applications. All the bash script does is "cd /opt/quisk-4.0.4;python quisk.py".
73 ... Sid.

On 25/02/16 11:25, Daniel Tiganas dan.tiganas@... [n2adr-sdr] wrote:
> Hi Sid,?
> Try the following (worked for me)(I believe your user must have sudo
> rights):
>
> sudo nano /etc/inittab
> Scroll down to the line :
> 1:2345:respawn:/sbin/getty 115200 tty1
> and add a # character to the begining of the line to disable it :
> #1:2345:respawn:/sbin/getty 115200 tty1
> Under the line add the following :
> 1:2345:respawn:/bin/login -f [your_username] tty1 </dev/tty1
> >/dev/tty1 2>&1
>
> To load LXDE at startup edit ? /etc/profile
> sudo nano /etc/profile
> Scroll to the bottom and add the following line :
> startx
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> To autostart apps on LXDE I am using the following:
>
> nano /home/[your_username]/.config/lxsession/LXDE-pi/autostart

>
> Optionally you can comment lxpanel, pcmanfm and xscreensaver, in that
> case LXDE will start as a completely blank screen:
>
> #@lxpanel --profile LXDE-pi
> #@pcmanfm --desktop --profile LXDE-pi
> #@xscreensaver -no-splash
>
> Add your application (in this example quisk):
> python /home/pi/quisk-4.0.3/quisk.py
>
> Let me know if it works!
>
>
> On Thu, Feb 25, 2016 at 3:18 AM, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> User pi also did not autologin and was redundant.
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> Ubuntu Mate 15.10 does an autologin of user hiqsdr and I have
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> scipt for quisk and added it to "Startup Applications".
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> On 24/02/16 11:07, Daniel Tiganas dan.tiganas@...
> <mailto:dan.tiganas@...> [n2adr-sdr] wrote:
> > Hi Sid,Â
> > Why deleting user PI? You can change the password if you want but I
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> > On Wed, Feb 24, 2016 at 10:01 AM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...>
> > <mailto:g3vbv@... <mailto:g3vbv@...>>
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
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> SD card
> >? ? ? corruption with Raspbian Wheezy and decided to install
> Jessie instead.
> >
> >? ? ? The raspi-config script assumes the only user to be "pi"
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> >? ? ? For my Standalone HiQSDR I need to autologin as user
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> >? ? ? automatically start quisk but it steadfastly presents me
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2083. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-25 14:38:07 UTC
From: Daniel Tiganas
Topic: 2077 Message: 2083

That is odd indeed. For me it was very simple using raspi-config to configure autologin on LXDE using user PI and then start Quisk from there, on Raspian Jessie. Now I am running headless, using only the touch and the encoder to interact with the system. I don't understand why it didn't work "out of the box" with raspi-config for you. Maybe trying cooking a new Jessie image on SD?

On Thu, Feb 25, 2016 at 3:38 PM, Sid Boyce g3vbv@....uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Thanks Dan,
> Tried all those dodges to no avail. My guess that there is something buried somewhere that prevents simple file alterations taking effect and "dkpg-reconfigure lightdm" didn't sort it either.
>
> With Wheezy, there was no problem, altering /etc/inittab simply did the trick with ~/.bash_login starting X and quisk.
> "1:2345:respawn:/bin/login -f hiqsdr tty1 </dev/tty1 >/dev/tty1 2>&1"
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> However Jessie uses systemd rather than sysvinit, same for Ubuntu Mate 15.10.
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> I also tried setting it up in /lib/systemd/system/autologin@.service in Jessie, nothing worked - it point blank refused to autologin either with pi before it was deleted or with user hiqsdr.
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> Ubuntu Mate15.10, no probs on that score - it boots up fully as user hiqsdr and automatically starts quisk.
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> On 25/02/16 11:25, Daniel Tiganas dan.tiganas@... [n2adr-sdr] wrote:
> > Hi Sid,Â
> > Try the following (worked for me)(I believe your user must have sudo rights):
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> > sudo nano /etc/inittab
> > Scroll down to the line :
> > 1:2345:respawn:/sbin/getty 115200 tty1
> > and add a # character to the begining of the line to disable it :
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> > Under the line add the following :

> > 1:2345:respawn:/bin/login -f [your_username] tty1 </dev/tty1
> > >/dev/tty1 2>&1
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> > To load LXDE at startup edit Â /etc/profile
> > sudo nano /etc/profile
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> > startx
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> > To autostart apps on LXDE I am using the following:
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> > nano /home/[your_username]/.config/lxsession/LXDE-pi/autostart
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> > Optionally you can comment lxpanel, pcmanfm and xscreensaver, in that
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> > #@lxpanel --profile LXDE-pi
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> > python /home/pi/quisk-4.0.3/quisk.py
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> > Let me know if it works!
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> > On Thu, Feb 25, 2016 at 3:18 AM, Sid Boyce g3vbv@...
> > <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
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> > [n2adr-sdr] <n2adr-sdr@yahoogroups.com
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> > Tech Support
> > >Â Â Â Senior Staff Specialist, Cricket Coach
> > >Â Â Â Microsoft Windows Free Zone - Linux used for all
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> > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
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> > <mailto:daniel.tiganas@intrasys.ro>
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2084. Re: [n2adr-sdr] Raspbian Jessie on Raspberry Pi 2

Yahoo group: n2adr-sdr
Date: 2016-02-25 17:46:59 UTC
From: Sid Boyce
Topic: 2077 Message: 2084

A complete mystery to me also.

If I get time I'll burn another microSD card and see if that works with just user pi.

Wheezy worked with users /home/pi and /home/hiqsdr which was the user I used to run quisk.
73 ... Sid.

On 25/02/16 14:38, Daniel Tiganas dan.tiganas@... [n2adr-sdr] wrote:
> That is odd indeed. For me it was very simple using raspi-config to
> configure autologin on LXDE using user PI and then start Quisk from
> there, on Raspian Jessie. Now I am running headless, using only the
> touch and the encoder to interact with the system. I don't understand
> why it didn't work "out of the box" with raspi-config for you. Maybe
> trying cooking a new Jessie ? image on SD?
>
> On Thu, Feb 25, 2016 at 3:38 PM, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Thanks Dan,
> Tried all those dodges to no avail. My guess that there is something
> buried somewhere that prevents simple file alterations taking
> effect and
> "dkpg-reconfigure lightdm" didn't sort it either.
>
> With Wheezy, there was no problem, altering /etc/inittab simply
> did the
> trick with ~/.bash_login starting X and quisk.
> "1:2345:respawn:/bin/login -f hiqsdr tty1 </dev/tty1 >/dev/tty1 2>&1"
>
> However Jessie uses systemd rather than sysvinit, same for Ubuntu Mate
> 15.10.
>
> I also tried setting it up in
> /lib/systemd/system/autologin@.service in
> Jessie, nothing worked - it point blank refused to autologin
> either with
> pi before it was deleted or with user hiqsdr.
>
> Ubuntu? Mate15.10, no probs on that score - it boots up fully as user
> hiqsdr and automatically starts quisk.
> /etc/lightdm/lightdm.conf set to autologin-user=hiqsdr and added an
> executable script (/usr/local/bin/QUISK) to Settings --> Startup
> Applications. All the bash script does is "cd /opt/quisk-4.0.4;python

> quisk.py".
> 73 ... Sid.
>
> On 25/02/16 11:25, Daniel Tiganas dan.tiganas@...
> <mailto:dan.tiganas@...> [n2adr-sdr] wrote:
> > Hi Sid,Â
> > Try the following (worked for me)(I believe your user must have sudo
> > rights):
> >
> > sudo nano /etc/inittab
> > Scroll down to the line :
> > 1:2345:respawn:/sbin/getty 115200 tty1
> > and add a # character to the begining of the line to disable it :
> > #1:2345:respawn:/sbin/getty 115200 tty1
> > Under the line add the following :
> > 1:2345:respawn:/bin/login -f [your_username] tty1 </dev/tty1
> > >/dev/tty1 2>&1
> >
> > To load LXDE at startup edit Â /etc/profile
> > sudo nano /etc/profile
> > Scroll to the bottom and add the following line :
> > startx
> >
> > To autostart apps on LXDE I am using the following:
> >
> > nano /home/[your_username]/.config/lxsession/LXDE-pi/autostart
> >
> > Optionally you can comment lxpanel, pcmanfm and xscreensaver, in
> that
> > case LXDE will start as a completely blank screen:
> >
> > #@lxpanel --profile LXDE-pi
> > #@pcmanfm --desktop --profile LXDE-pi
> > #@xscreensaver -no-splash
> >
> > Add your application (in this example quisk):
> > python /home/pi/quisk-4.0.3/quisk.py
> >
> > Let me know if it works!
> >
> >
> > On Thu, Feb 25, 2016 at 3:18 AM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...>
> > <mailto:g3vbv@... <mailto:g3vbv@...>>
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >
> >? ? ? User pi also did not autologin and was redundant.

> >
> >? ? ? Ubuntu Mate 15.10 does an autologin of user hiqsdr and I have
> >? ? ? created a
> >? ? ? scipt for quisk and added it to "Startup Applications".
> >? ? ? 73 ... Sid.
> >
> >? ? ? On 24/02/16 11:07, Daniel Tiganas dan.tiganas@...
> <mailto:dan.tiganas@...>
> >? ? ? <mailto:dan.tiganas@...
> <mailto:dan.tiganas@...>> [n2adr-sdr] wrote:
> >? ? ? > Hi Sid,Ã,
> >? ? ? > Why deleting user PI? You can change the password if
> you want but I
> >? ? ? > think it takes much less time to use pi user.Ã,
> >? ? ? >
> >? ? ? > On Wed, Feb 24, 2016 at 10:01 AM, Sid Boyce
> >? ? ? g3vbv@... <mailto:g3vbv@...>
> <mailto:g3vbv@... <mailto:g3vbv@...>>
> >? ? ? > <mailto:g3vbv@...
> <mailto:g3vbv@...> <mailto:g3vbv@...
> <mailto:g3vbv@...>>>
> >? ? ? [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
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> >? ? ? > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >
> >? ? ? >Â? Â? Â I am about to try the Ubuntu Mate 15.10
> distro as I had a
> >? ? ? SD card
> >? ? ? >Â? Â? Â corruption with Raspbian Wheezy and decided
> to install
> >? ? ? Jessie instead.
> >? ? ? >
> >? ? ? >Â? Â? Â The raspi-config script assumes the only
> user to be "pi"
> >? ? ? which I
> >? ? ? >Â? Â? Â deleted.
> >? ? ? >Â? Â? Â Changing /etc/lightdm/lightdm.conf from
> autologin-user=pi to
> >? ? ? >Â? Â? Â autologin-user=hiqsdr and running
> "dpkg-reconfigure
> >? ? ? lightdm" has no
> >? ? ? >Â? Â? Â effect in Jessie - was OK in Wheezy.
> >? ? ? >
> >? ? ? >Â? Â? Â For my Standalone HiQSDR I need to
> autologin as user

> >? ? ? hiqsdr and
> >? ? ? >Â? Â? Â automatically start quisk but it
> steadfastly presents me
> >? ? ? with a LXDE
> >? ? ? >Â? Â? Â login prompt which of course needs a keyboard.
> >? ? ? >Â? Â? Â Whatever I try from google posts results in
> no change.
> >? ? ? >Â? Â? Â 73 ... Sid.
> >? ? ? >
> >? ? ? >Â? Â? Â --
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2085. Quisk and OmniaSDR on RPi?

Yahoo group: n2adr-sdr
Date: 2016-02-28 04:15:39 UTC
From: w6jhb@...
Topic: 2085 Message: 2085

Anyone here been successful getting an OmniaSDR Basic (OSB) running with Quisk on a Raspberry Pi? I just finished (well, 99 percent finished) building a 60/40/30/20 meter Semi-DIY OSB. Works fine with HDSDR on Windows 8.1 except for not being able to use CW. I did manage one local QSO on 40 CW using Rocky on Windows 8.1 today. However, my goal is to use the OSB on my RPi2.

I currently have a SoftRock Ensemble RXTX that I use on my RPi2, occasionally with Quisk but most of the time in a 24-7 WSPR operation. This afternoon I unhooked the OSB from Windows, moved the USB cable over to my RPi2, rebooted it, and fired up Quisk, using the existing config file. No signals were seen on the Quisk display. I was hoping the existing config file would work as is, but looks like some changes are gonna be needed. The first thing needing a change will be the sampling rate, as my RXTX was using a Tascam US-125M external sound card at 48000 and the OSB runs 96000. Not sure what else I need to tweak

Anyway, wondering if anyone else has gotten their OSB running on an RPi and/or with Quisk....???

btw - I am not using the new v4 Quisk. Still have v3.x and wanted to get the OSB working on a working and familiar-to-me version of Quisk...

Jim Bennett / W6JHB Folsom, CA

2086. Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-28 09:18:05 UTC
From: frspin@...
Topic: 2076 Message: 2086

No one can help me in interfacing SoapySDR to Quisk?

Regards

Franco Spinelli
IW2DHW

2087. RE: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-28 16:03:18 UTC
From: MIKE DURKIN
Topic: 2076 Message: 2087

Helps to have one ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 28 Feb 2016 01:18:05 -0800
Subject: [n2adr-sdr] Re: New package for custom hardware

No one can help me in interfacing SoapySDR to Quisk?

Regards

Franco Spinelli
IW2DHW

2088. RE: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-28 16:06:28 UTC
From: MIKE DURKIN
Topic: 2076 Message: 2088

Odd ... why interface a SDR program into another SDR program ?

I surely thought that SoapySDR was a hardware like the UHFSDR was ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 28 Feb 2016 08:03:18 -0800
Subject: RE: [n2adr-sdr] Re: New package for custom hardware

Helps to have one ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 28 Feb 2016 01:18:05 -0800
Subject: [n2adr-sdr] Re: New package for custom hardware

No one can help me in interfacing SoapySDR to Quisk?

Regards

Franco Spinelli
IW2DHW

2089. RE: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-28 19:37:48 UTC
From: frspin@...
Topic: 2076 Message: 2089

---In n2adr-sdr@yahoogroups.com, <Patriot121@...> wrote :

Odd ... why interface a SDR program into another SDR program ?

I surely thought that SoapySDR was a hardware like the UHFSDR was ...

SoapySDR is a library for controlling many SDR hardware.

https://github.com/pothosware/SoapySDR/wiki https://github.com/pothosware/SoapySDR/wiki

Actually "audio SDR" (as in Quisk), Osmo, UHD, BladeRF, HackRF, RTL-SDR, SDRPlay and Red Pitaya, also remotely connected

Regards
Franco Spinelli
IW2DHW

2090. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-29 12:53:01 UTC
From: Sid Boyce
Topic: 2076 Message: 2090

I don't see listed a reference to any of the hardware that quisk
supports - which are
Softrock/UHFSDR/Peaberry and maybe OminaSDR if it's a clone of the
Peaberry, HiQSDR, Charleston, SDR-IQ and Hermes-Lite.

Quisk also interfaces to digital programs such as wspr which in any case
run natively under Linux and are not SDR programs.

To support, e.g RTL-SDR, Red Pitaya, etc. you'd have to write plugins
for quisk eliminating the need for any other SDR program.

SoapySDR seems to be another SDR program like quisk which also needs
plugins to support hardware other than what is current built-in.
73 ... Sid.

On 28/02/16 19:37, frspin@... [n2adr-sdr] wrote:
>
>
>
>
> ---In n2adr-sdr@yahoogroups.com, <Patriot121@...> wrote :
>
> Odd ... why interface a SDR program into another SDR program ?
>
> I surely thought that SoapySDR was a hardware like the UHFSDR was ...
>
> SoapySDR is a library for controlling many SDR hardware.
>
> https://github.com/pothosware/SoapySDR/wiki
>
> Actually "audio SDR" (as in Quisk), Osmo, UHD, BladeRF, HackRF,
> RTL-SDR, SDRPlay and Red Pitaya, also remotely connected
>
> Regards
> Franco Spinelli
> IW2DHW
>
>
>

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2091. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-02-29 13:12:06 UTC
From: frspin@...
Topic: 2076 Message: 2091

---In n2adr-sdr@yahoogroups.com, <g3vbv@...> wrote :

To support, e.g RTL-SDR, Red Pitaya, etc. you'd have to write plugins
for quisk eliminating the need for any other SDR program.

SoapySDR seems to be another SDR program like quisk which also needs
plugins to support hardware other than what is current built-in.
73 ... Sid.

SoapySDR is a library, not an SDR program. ANd don't have any built-in hardware support.

We can write a plugin for SDRPlay, another for RTL-SDR and so on.
Or a plugin for SoapySDR and get interface to SDRPlay, RTL-SDR and any other hardware, also remotely connected.
And SDRPlay maker is supporting an API and an interface to SoapySDR.

Regards

Franco Spinelli
IW2DHW

2092. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-03-01 00:55:31 UTC
From: Sid Boyce
Topic: 2076 Message: 2092

So!!! What would it require quisk, ghpsdr3-alex or any other program to
do - if e.g I am running a Softrock, HiQSDR or Hermes-Lite using quisk?

I built and installed it from source on x86_64 and ODROID-U3 with the
same results.
root@odroidu3:# SoapySDRUtil --info
##
Soapy SDR -- the SDR abstraction library
##

API Version: v0.4.1-g1df33100
ABI Version: v0.4-2
Install root: /usr/local
No modules found!
Loading modules... done
Available factories...null,
root@odroidu3:
73 ... Sid.

On 29/02/16 13:12, frspin@... [n2adr-sdr] wrote:
>
>
>
>
> ---In n2adr-sdr@yahoogroups.com, <g3vbv@...> wrote :
>
> To support, e.g RTL-SDR, Red Pitaya, etc. you'd have to write plugins
> for quisk eliminating the need for any other SDR program.
>
> SoapySDR seems to be another SDR program like quisk which also needs
> plugins to support hardware other than what is current built-in.
> 73 ... Sid.
>
> SoapySDR is a library, not an SDR program. ANd don't have any built-in
> hardware support.
>
> We can write a plugin for SDRPlay, another for RTL-SDR and so on.
> Or a plugin for SoapySDR and get interface to SDRPlay, RTL-SDR and any
> other hardware, also remotely connected.
> And SDRPlay maker is supporting an API and an interface to SoapySDR.
>
> Regards
>
> Franco Spinelli
> IW2DHW
>

>

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2093. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-03-01 11:31:56 UTC
From: frspin@...
Topic: 2076 Message: 2093

You have compiled SoapySDR, the "main" library.
Based on your hardware you need to compile module for this hardware (SoapyAudio for any device using a SoundCard, SoapySDRPlay for SDRPlay, HackRF library, SoapyRemote, etc,) and, when you are calling function in SoapySDR library from your program (quisk or any other) the library can search for any hardware present in your PC or in your LAN.
After this you can use this hardware with "neutral call" to SoapySDR library.

For this, if we can do a module for Quisk interfacing to SoapySDR, we can use from Quisk all of this different hardware with same config file.

Regards
Franco Spinelli
IW2DHW

2095. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-03-02 16:45:29 UTC
From: Sid Boyce
Topic: 2076 Message: 2095

OK Franco,
I see the the list of hardware supported out of the box in the FAQ, none of which I have or planning to have. It seems that if the SoapySDR library could be imported into quisk those additional devices would be supported.
I see the python module it installs
/usr/lib64/python3.4/site-packages/SoapySDR.py

From the FAQ

What devices are supported?
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Currently, most devices from gr-osmosdr are supported:

* bladerf
* hackrf
* rtl
* rfspace
* mirisdr

And devices from the UHD project:

* usrp
* umtrx
* myriadrf

These are just the devices we know about.

With current versions all the quisk supported hardware is GUI configured and written to ~/quisk_settings.json which makes it unnecessary to have separate ~/.quisk_conf.py files for the different SDR's.
Any instance of quisk can reach the rigs on the LAN.

Correct me if I still misunderstand what advantage SoapySDR would give me over using quisk native or quisk with plugins written for the rigs that SoapySDR supports. The documentation does not spell out how exactly it's used with gnuradio or any other software and I can't find any examples.
73 ... Sid.

On 01/03/16 11:31, frspin@... [n2adr-sdr] wrote:
>
> You have compiled SoapySDR, the "main" library.
> Based on your hardware you need to compile module for this hardware
> (SoapyAudio for any device using a SoundCard, SoapySDRPlay for
> SDRPlay, HackRF library, SoapyRemote, etc,) and, when you are calling
> function in SoapySDR library from your program (quisk or any other)

> the library can search for any hardware present in your PC or in your
> LAN.
> After this you can use this hardware with "neutral call" to SoapySDR
> library.
>
> For this, if we can do a module for Quisk interfacing to SoapySDR, we
> can use from Quisk all of this different hardware with same config file.
>
> Regards
> Franco Spinelli
> IW2DHW
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2096. Re: [n2adr-sdr] Re: New package for custom hardware

Yahoo group: n2adr-sdr
Date: 2016-03-02 19:50:44 UTC
From: frspin@...
Topic: 2076 Message: 2096

There is also SDRPlay in list, and you can see it on

https://github.com/pothosware/SoapySDR/wiki https://github.com/pothosware/SoapySDR/wiki
On right column there is a menu with "Modules" available

The utility for using SoapySDR library over a specific library is all in doing the work only one time.
Quisk can read samples from a small set of devices. For other devices a C module is needed. We can write a module for RTL-SDR and for SDRPlay but, if we can write a module for SoapySDR, all the work is done.
SoapySDR have a Python interface, if this can be used mixed to C interface.
And SoapySDR have also a remote interface.You can have hardware on a machine, running a SoapySDR server, and Quisk on another machine in LAN.

Regards

Franco Spinelli
IW2DHW

2097. Redpitaya and linux-Quisk4.0.4 -- Audio level

Yahoo group: n2adr-sdr
Date: 2016-03-02 20:48:37 UTC
From: michael.hartje@...
Topic: 2097 Message: 2097

Hello list,

I started using Red pitaya with pavel's openHPSDR-transceiver-FPGA-Code special realization as openHPSDR "Metis".
I use Quisk 4.0.4 GUI on linux to configure the ip-connection.
The start was very easy -- but the audio level is very very low. The max volume is even very low compared to softrock receivers.

Does anybody else observed this phaenomen?

What should I pay special attention for?

Where can I change the the gain inside the code for adjusting amplification for the "hermes" signals? -- should this be in the hermes -- or inside quisk?

Thanks

Michael
(DK5HH)

2098. Quisk V3 Default Power Setting?

Yahoo group: n2adr-sdr
Date: 2016-03-03 03:01:45 UTC
From: w6jhb@...
Topic: 2098 Message: 2098

I'm using version 3 of Quisk along with an OmniaSDR radio and all is working fine. Just wondering if there is a setting I can include in my config file so that at startup the power level is set to 40 percent instead of where it is now, at 70 percent.

Tnx, Jim / W6JHB

2099. Re: [n2adr-sdr] Redpitaya and linux-Quisk4.0.4 -- Audio level

Yahoo group: n2adr-sdr
Date: 2016-03-03 11:34:55 UTC
From: Sid Boyce
Topic: 2097 Message: 2099

The only low volume problem I have had recently is with a new
installation of Ubuntu 15.10 on a Raspberry Pi 2 in my standalone
HiQSDR. I just needed to run alsamixer and adjust the controls.
Quite often in Linux mixer settings are either very low or muted.

If it's not an audio mixer setting it must be low output from the Red
Pitaya compared to any other SDR which is highly doubtful. Someone would
have highlighted it already as Red Pitaya has been around for quite a
while.
Are you saying Softrock volume is fine?

Apart from the HiQSDR standalone I run quisk on any of 6 x86_64 boxes,
an ODROID-U3 and an ODROID-C1 to 2 Hermes-Lites.
73 ... Sid.

On 02/03/16 20:48, michael.hartje@... [n2adr-sdr] wrote:
>
> Hello list,
>
> I started using Red pitaya with pavel's
> openHPSDR-transceiver-FPGA-Code special realization as openHPSDR "Metis".
> I use Quisk 4.0.4 GUI on linux to configure the ip-connection.
> The start was very easy -- but the audio level is very very low. The
> max volume is even very low compared to softrock receivers.
>
> Does anybody else observed this phaenomen?
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> What should I pay special attention for?
>
> Where can I change the the gain inside the code for adjusting
> amplification for the "hermes" signals? -- should this be in the
> hermes -- or inside quisk?
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> Thanks
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>
> Michael
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> (DK5HH)
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2100. Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-03 17:18:33 UTC
From: w6jhb@...
Topic: 2100 Message: 2100

Will the installation of version 4 on a Raspberry Pi affect a currently installed version 3.7.7? The old version is working fine right now; I'd like to give V4 a spin, but not if it is going to hose my V3.

Comments, please.....

2101. RE: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-03 18:04:38 UTC
From: MIKE DURKIN
Topic: 2100 Message: 2101

shouldnt ....

as long as you dont unzip/compile in teh same folder as V3 .... youll just make a mess ....

Do you launch Quisk from terminal/script or have it in programs listing ... ?

If you normally use a script or from terminal it should not cause any issues .... i have a few versions built and i dont remember any interaction ....

V4 can even read your old conf radio file ... and when when you make a new definition radio file with V4 .. it will not change your old conf file but make a new one that has a diferent format (and in a different folder too)

So you might be able to use a transverter with out makeing a new config file -- not sure. might also save the transverter settings in the new radio configure file ... dont know .. iv not had the need.

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 3 Mar 2016 09:18:33 -0800
Subject: [n2adr-sdr] Install of Quisk V4 Question

Will the installation of version 4 on a Raspberry Pi affect a currently installed version 3.7.7? The old version is working fine right now; I'd like to give V4 a spin, but not if it is going to hose my V3.

Comments, please.....

2102. RE: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-03 19:52:53 UTC
From: w6jhb@...
Topic: 2100 Message: 2102

Thanks Mike - I'll be sure it goes into a separate folder and not get mixed in with my 3.7.7 stuff. I launch Quisk from a terminal session if I need to see console output, otherwise for routing operation of it I use a script I built.

But.... transverter...eh? Ya lost me on that one.

2103. RE: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-03 20:17:50 UTC
From: MIKE DURKIN
Topic: 2100 Message: 2103

huummmm .. must be getting 2 different conversations mixed up ....

Hate it when email conversations are tourniqueted ... and 3 or 4 responses deep are gone ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 3 Mar 2016 11:52:53 -0800
Subject: RE: [n2adr-sdr] Install of Quisk V4 Question

Thanks Mike - I'll be sure it goes into a separate folder and not get mixed in with my 3.7.7 stuff. I launch Quisk from a terminal session if I need to see console output, otherwise for routing operation of it I use a script I built.

But.... transverter...eh? Ya lost me on that one.

2104. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-03 23:32:18 UTC
From: Daniel Tiganas
Topic: 2100 Message: 2104

Hi, why don't you try with another SD card with a fresh OS?

On Thu, Mar 3, 2016 at 6:18 PM, w6jhb@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Will the installation of version 4 on a Raspberry Pi affect a currently
> installed version 3.7.7? The old version is working fine right now; I'd
> like to give V4 a spin, but not if it is going to hose my V3.
>
>
> Comments, please.....
>
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>

--
Daniel Tiganas
Managing Director

SC IntraSys SRL
str. Parang, 21/50
400552, Cluj Napoca
RomaniaPhone: (+40) 745-035423

E-mail: mailto:daniel.tiganas@...
Web: http://www.intrasys.ro

2105. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-04 00:08:59 UTC
From: James Bennett
Topic: 2100 Message: 2105

Daniel,

That for sure would be a safer way to go, but then I'd wind up with an OS having none of the other applications on it that I am currently used to having available. And re-loading / customizing them all over would be a PITA.

One thing that I've tried, quite unsuccessfully, is to back up my RPi SD card on my Mac (or Windows 8.1) so that I'd have a "spare" OS card in case / when the main SD card dies. If anyone reading through this thread has a sure-fire way of backing up an SD card and getting it restored to a blank, it sure would be nice to have that info posted…

Jim, W6JHB

> On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel Tiganas dan.tiganas@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
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> Hi, why don't you try with another SD card with a fresh OS?
>
> On Thu, Mar 3, 2016 at 6:18 PM, w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>
> Will the installation of version 4 on a Raspberry Pi affect a currently installed version 3.7.7? The old version is working fine right now; I'd like to give V4 a spin, but not if it is going to hose my V3.
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>
> Comments, please.....
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> --
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> Managing Director
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> 400552, Cluj Napoca
> RomaniaPhone: (+40) 745-035423
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> E-mail: mailto:daniel.tiganas@... <mailto:daniel.tiganas@...>
> Web: http://www.intrasys.ro <http://www.intrasys.ro/>

>
>

2106. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-05 01:23:40 UTC
From: Sid Boyce
Topic: 2100 Message: 2106

Googling says there is a dd command for OSX and winddd for XP, don't know if it works with later Windows versions.
I've used over a dozen OS's but neither of the above 2 have been in my armoury.

In Linux/Unix, dmesg will identify the SD card placed in the reader as mentioned in the install instructions, then "sudo dd if=/dev/sd? of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img bs=4M" creates an image file on a USB stick or hard drive.

Putting it to a new SD card is the same procedure as creating the original SD card but using Rpi.img.

I have quisk-3.5.4 and all others since on a hard drive in the /opt directory and even earlier versions on another HD.

Unpacking 4.0.4 creates a quisk-4.0.4 directory.
If launched in that directory with "python quisk.py" after "make" is run, it will read and use the contents of ~/.quisk_conf.py if it exists. Otherwise the GUI config can be used to do the job. This method does not alter anything.

If "sudo python setup.py install" is run it writes file to /usr/lib/python2.7/dist-packages/quisk/ or /usr/local/lib/python2.7/dist-packages/quisk/ and puts a "quisk" executable script in /usr/bin or /usr/local/bin so will overwrite what the previous run of "python setup.py install" did, including the quisk executable script.
"quisk" from the command line will then launch the latest version.
73 ... Sid.

On 04/03/16 00:08, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Daniel,
>
>
> That for sure would be a safer way to go, but then I'd wind up with
> an OS having none of the other applications on it that I am currently
> used to having available. And re-loading / customizing them all over
> would be a PITA.
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> One thing that I've tried, quite unsuccessfully, is to back up my
> RPi SD card on my Mac (or Windows 8.1) so that I'd have a
> "spare" OS card in case / when the main SD card dies. If anyone
> reading through this thread has a sure-fire way of backing up an SD
> card and getting it restored to a blank, it sure would be nice to have

> that info posted…
>
> Jim, W6JHB
>
>
>> On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel Tiganas
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>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>> Hi, why don't you try with another SD card with a fresh OS?
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>> Comments, please.....
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2107. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-05 04:21:21 UTC
From: James Bennett
Topic: 2100 Message: 2107
Attachments: 1 described; binary payloads are missing from this source WARC

Well, I know this is sort of off-thread, but I still need to ask for help on it, as it in a way is related to installing Quisk and having a backout plan…

There was a posting on the web where an RPi user backed up his SD card on Windows using Win32 Disk Imager. This evening I ran the backup of the SD card to my Windows 8.1 hard drive which took about an hour but came to a successful completion. I ejected my “good” RPi SD card, put it in a safe place, and then inserted a blank SD card into my SD card reader. I formatted it and tried to restore my backup .img file to it. In typical Windows fashion, it would not work. Tells me that the blank disk is not large enough. Interesting, as both are 32GB cards, bought in the same package. Here is a screen shot of the error:

Can anyone tell me what the heck is going on?

> On Friday, Mar 4, 2016, at Friday, 5:23 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Googling says there is a dd command for OSX and winddd for XP, don't
> know if it works with later Windows versions.
> I've used over a dozen OS's but neither of the above 2 have been in my
> armoury.
>
> In Linux/Unix, dmesg will identify the SD card placed in the reader as
> mentioned in the install instructions, then
> "sudo dd if=/dev/sd? of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img
> bs=4M" creates an image file on a USB stick or hard drive.
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> Putting it to a new SD card is the same procedure as creating the
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> I have quisk-3.5.4 and all others since on a hard drive in the /opt
> directory and even earlier versions on another HD.
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> If launched in that directory with "python quisk.py" after "make" is
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> Otherwise the GUI config can be used to do the job. This method does not
> alter anything.
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> If "sudo python setup.py install" is run it writes file to
> /usr/lib/python2.7/dist-packages/quisk/ or
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> executable script in /usr/bin or /usr/local/bin so will overwrite what
> the previous run of "python setup.py install" did, including the quisk
> executable script.
> "quisk" from the command line will then launch the latest version.

> 73 ... Sid.
>
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>>
>> Daniel,
>>
>>
>> That for sure would be a safer way to go, but then Iâ€™d wind up with
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>> used to having available. And re-loading / customizing them all over
>> would be a PITA.
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>> One thing that Iâ€™ve tried, quite unsuccessfully, is to back up my
>> RPi SD card on my Mac (or Windows 8.1) so that Iâ€™d have a
>> â€œspareâ€? OS card in case / when the main SD card dies. If anyone
>> reading through this thread has a sure-fire way of backing up an SD
>> card and getting it restored to a blank, it sure would be nice to have
>> that info postedâ€¦
>>
>> Jim, W6JHB
>>
>>
>>> On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel Tiganas
>>> dan.tiganas@... <mailto:dan.tiganas@...> [n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>> Hi, why don't you try with another SD card with a fresh OS?
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>>> On Thu, Mar 3, 2016 at 6:18 PM,w6jhb@...
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> Yahoo Groups Links
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2108. RE: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2016-03-05 05:17:24 UTC
From: MIKE DURKIN
Topic: 2100 Message: 2108
Attachments: 1 described; binary payloads are missing from this source WARC

Get your good image out and use a ubuntu disk and shrink the free space down with Gparted or something before making the image ... and try again.

Once the new image is writen on the new SD, use the Ubuntu live CD again to make the partition fully taking up the space ...

Id guess that the new SD is not quite a full 32 gig ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Fri, 4 Mar 2016 20:21:21 -0800
Subject: Re: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]

Well, I know this is sort of off-thread, but I still need to ask for help on it, as it in a way is related to installing Quisk and having a backout plan…

There was a posting on the web where an RPi user backed up his SD card on Windows using Win32 Disk Imager. This evening I ran the backup of the SD card to my Windows 8.1 hard drive which took about an hour but came to a successful completion. I ejected my “good” RPi SD card, put it in a safe place, and then inserted a blank SD card into my SD card reader. I formatted it and tried to restore my backup .img file to it. In typical Windows fashion, it would not work. Tells me that the blank disk is not large enough. Interesting, as both are 32GB cards, bought in the same package. Here is a screen shot of the error:

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I've used over a dozen OS's but neither of the above 2 have been in my armoury.

In Linux/Unix, dmesg will identify the SD card placed in the reader as mentioned in the install instructions, then
"sudo dd if=/dev/sd? of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img bs=4M" creates an image file on a USB stick or hard drive.

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I have quisk-3.5.4 and all others since on a hard drive in the /opt directory and even earlier versions on another HD.

Unpacking 4.0.4 creates a quisk-4.0.4 directory.
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"quisk" from the command line will then launch the latest version.
73 ... Sid.

On 04/03/16 00:08, James Bennett w6jhb@me.com [n2adr-sdr] wrote:

Daniel,

That for sure would be a safer way to go, but then Iâ€™d wind up with an OS having none of the other applications on it that I am currently used to having available. And re-loading / customizing them all over would be a PITA.

One thing that Iâ€™ve tried, quite unsuccessfully, is to back up my RPi SD card on my Mac (or Windows 8.1) so that Iâ€™d have a â€œspareâ€? OS card in case / when the main SD card dies. If anyone reading through this thread has a sure-fire way of backing up an SD card and getting it restored to a blank, it sure would be nice to have that info postedâ€¦

Jim, W6JHB

On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel Tiganas dan.tiganas@gmail.com <mailto:dan.tiganas@gmail.com> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

Hi, why don't you try with another SD card with a fresh OS?

On Thu, Mar 3, 2016 at 6:18 PM,w6jhb@me.com <mailto:w6jhb@me.com>[n2adr-sdr]<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>wrote:

Will the installation of version 4 on a Raspberry Pi affect a currently installed version 3.7.7? The old version is working fine right now; I'd like to give V4 a spin, but not if it is going to hose my V3.

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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

2109. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-05 07:10:37 UTC
From: Sid Boyce
Topic: 2100 Message: 2109

Hi Mike,
Physical sizes of SD cards from different manufacturers seem not always to be identical.

I have had to mount the root partition of img files and remove some excess files.
The img files can be treated like a regular hard drive.

```
root@sdrbox:/2# fdisk -l 2016-02-09-raspbian-jessie.img
Disk 2016-02-09-raspbian-jessie.img: 3.9 GiB, 4127195136 bytes, 8060928
sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x3e7fd08e

Device Boot Start End Sectors Size Id Type
2016-02-09-raspbian-jessie.img1 8192 131071 122880 60M c W95
FAT32 (LBA)
2016-02-09-raspbian-jessie.img2 131072 8060927 7929856 3.8G 83 Linux
root@sdrbox:/2# modprobe loop
root@sdrbox:/2# mkdir /mnt/disk
root@sdrbox:/2# mount 2016-02-09-raspbian-jessie.img /mnt/disk -o
offset=$((131072*512))
root@sdrbox:/2# ls -l /mnt/disk
total 88
drwxr-xr-x 2 root root 4096 Feb 9 15:11 bin
drwxr-xr-x 2 root root 4096 Feb 9 14:57 boot
drwxr-xr-x 4 root root 4096 Feb 9 14:19 dev
drwxr-xr-x 108 root root 4096 Feb 9 16:15 etc
drwxr-xr-x 3 root root 4096 Feb 9 14:56 home
drwxr-xr-x 19 root root 4096 Feb 9 15:11 lib
drwx------ 2 root root 16384 Feb 9 16:07 lost+found
drwxr-xr-x 2 root root 4096 Feb 9 14:18 media
drwxr-xr-x 2 root root 4096 Feb 9 14:18 mnt
drwxr-xr-x 6 root root 4096 Feb 9 15:57 opt
drwxr-xr-x 2 root root 4096 Jan 7 2015 proc
drwx------ 2 root root 4096 Feb 9 14:18 root
drwxr-xr-x 5 root root 4096 Feb 9 15:02 run
drwxr-xr-x 2 root root 4096 Feb 9 15:11 sbin
drwxr-xr-x 2 root root 4096 Feb 9 14:18 srv
drwxr-xr-x 2 root root 4096 Apr 12 2015 sys
drwxrwxrwt 2 root root 4096 Feb 9 16:15 tmp
drwxr-xr-x 10 root root 4096 Feb 9 14:18 usr
drwxr-xr-x 11 root root 4096 Feb 9 14:18 var
```

73 ... Sid.

On 05/03/16 05:17, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Get your good image out and use a ubuntu disk and shrink the free
> space down with Gparted or something before making the image ... and
> try again.
>
> Once the new image is writen on the new SD, use the Ubuntu live CD
> again to make the partition fully taking up the space ...
>
> Id guess that the new SD is not quite a full 32 gig ....
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 4 Mar 2016 20:21:21 -0800
> Subject: Re: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]
>
> Well, I know this is sort of off-thread, but I still need to ask for
> help on it, as it in a way is related to installing Quisk and having a
> backout plan…
>
> There was a posting on the web where an RPi user backed up his SD card
> on Windows using Win32 Disk Imager. This evening I ran the backup of
> the SD card to my Windows 8.1 hard drive which took about an hour but
> came to a successful completion. I ejected my “good” RPi SD card,
> put it in a safe place, and then inserted a blank SD card into my SD
> card reader. I formatted it and tried to restore my backup .img file
> to it. In typical Windows fashion, it would not work. Tells me that
> the blank disk is not large enough. Interesting, as both are 32GB
> cards, bought in the same package. Here is a screen shot of the error:
>
>
> Can anyone tell me what the heck is going on?
>
>
> On Friday, Mar 4, 2016, at Friday, 5:23 PM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Googling says there is a dd command for OSX and winddd for XP, don't
> know if it works with later Windows versions.
> I've used over a dozen OS's but neither of the above 2 have been
> in my
> armoury.
>
> In Linux/Unix, dmesg will identify the SD card placed in the
> reader as
> mentioned in the install instructions, then

> "sudo dd if=/dev/sd?
> of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img
> bs=4M" creates an image file on a USB stick or hard drive.
>
> Putting it to a new SD card is the same procedure as creating the
> original SD card but using Rpi.img.
>
> I have quisk-3.5.4 and all others since on a hard drive in the /opt
> directory and even earlier versions on another HD.
>
> Unpacking 4.0.4 creates a quisk-4.0.4 directory.
> If launched in that directory with "python quisk.py" after "make" is
> run, it will read and use the contents of ~/.quisk_conf.py if it
> exists.
> Otherwise the GUI config can be used to do the job. This method
> does not
> alter anything.
>
> If "sudo python setup.py install" is run it writes file to
> /usr/lib/python2.7/dist-packages/quisk/ or
> /usr/local/lib/python2.7/dist-packages/quisk/ and puts a "quisk"
> executable script in /usr/bin or /usr/local/bin so will overwrite
> what
> the previous run of "python setup.py install" did, including the
> quisk
> executable script.
> "quisk" from the command line will then launch the latest version.
> 73 ... Sid.
>
> On 04/03/16 00:08, James Bennett w6jhb@...
> <mailto:w6jhb@...> [n2adr-sdr] wrote:
>
>
> Daniel,
>
>
> That for sure would be a safer way to go, but then Iâ€™d
> wind up with
> an OS having none of the other applications on it that I am
> currently
> used to having available. And re-loading / customizing them
> all over
> would be a PITA.
>
> One thing that Iâ€™ve tried, quite unsuccessfully, is to
> back up my
> RPi SD card on my Mac (or Windows 8.1) so that Iâ€™d have a
> â€œspareâ€? OS card in case / when the main SD card
> dies. If anyone
> reading through this thread has a sure-fire way of backing up

> an SD
> card and getting it restored to a blank, it sure would be nice
> to have
> that info postedâ€¦
>
> Jim, W6JHB
>
>
> On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel
> Tiganas
> dan.tiganas@... <mailto:dan.tiganas@...>
> <mailto:dan.tiganas@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
> Hi, why don't you try with another SD card with a fresh OS?
>
> On Thu, Mar 3, 2016 at 6:18 PM,w6jhb@...
> <mailto:w6jhb@...>
> <mailto:w6jhb@...>[n2adr-sdr]<n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>
>
> Will the installation of version 4 on a Raspberry Pi
> affect a
> currently installed version 3.7.7? The old version is
> working
> fine right now; I'd like to give V4 a spin, but not if
> it is
> going to hose my V3.
>
>
> Comments, please.....
>
>
>
>
>
>
> --
> Daniel Tiganas
> Managing Director
>
> SC IntraSys SRL
> str. Parang, 21/50
> 400552, Cluj Napoca
> RomaniaPhone: (+40) 745-035423
>

> E-mail: mailto:daniel.tiganas@...
> <mailto:daniel.tiganas@...>
> Web: http://www.intrasys.ro <http://www.intrasys.ro/>
>
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>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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>
> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2110. Re: Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-05 09:18:07 UTC
From: dan.tiganas@...
Topic: 2100 Message: 2110

Hi Jim, I am using Apple Pi Baker app on Mac Osx to backup and restore Raspberry PI SD's with no problems. What I usually do is to prepare an image with the OS and the minimum set of applications, test it and then back it up using Apple pi backer. I also have backups of "production" images in case of a sd failure, wich can occur during research.

2111. Re: [n2adr-sdr] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.,,,.

Yahoo group: n2adr-sdr
Date: 2016-03-07 02:13:47 UTC
From: Andrew Hecht
Topic: 2094 Message: 2111

Hi,

Is the 6300 still covered by the warranty?

Thanks,

Andrew
KE5EFH

On Tue, Mar 1, 2016 at 9:47 PM, glenndonofri@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Price:
>
> Flexradio 6500: $2,750
> Flexradio 6300: $1,700
>
> Elecraft K3/P3: $2,200
> Elecraft KX3: $1,000
>
> Icom IC Pro3 756: $1,155
> Icom IC 7600: $1,800
>
> I am downsizing my shack.
>
> Mike Carron
> Email: kb1sdw@...
> MA 02150
>
>
> 73
> Mike
>
>
>
>]]
>
>
>
>

2112. Re: [n2adr-sdr] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.,,,.

Yahoo group: n2adr-sdr
Date: 2016-03-07 21:35:43 UTC
From: dh5ym@...
Topic: 2094 Message: 2112

Hi,

please do not respond to this message. Seems to be SCAM and appeared in several Yahoo groups.

regards
Mario, DH5YM

2113. Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 00:44:50 UTC
From: w6jhb@...
Topic: 2113 Message: 2113

Just built a fresh boot disk for my RPi2 - Raspian Jessie. Installed the pre-req packages listed on the Quisk Installation web page. When I tried starting up Quisk I get the following error:

```
Traceback (most recent call last):
File "./quisl.py", line 34, in <module>
import _quisk as QS
ImportError: ./_quisk.so: wrong ELF class: ELFCLASS64
```

Are there other steps that need to be done or other packages to install that are not listed on the web page?

Thanks, Jim

2114. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 01:07:15 UTC
From: Rob Frohne
Topic: 2113 Message: 2114

Looks like you got a 64 bit quisk.so, and unless you have the new
Raspberri-Pi 3, it is a 322 bit machine.

73,

Rob
KL7NA

On 03/08/2016 04:44 PM, w6jhb@... [n2adr-sdr] wrote:
>
> Just built a fresh boot disk for my RPi2 - Raspian Jessie. Installed
> the pre-req packages listed on the Quisk Installation web page. When I
> tried starting up Quisk I get the following error:
>
>
> Traceback (most recent call last):
>
> File "./quisl.py", line 34, in <module>
>
> import _quisk as QS
>
> ImportError: ./_quisk.so: wrong ELF class: ELFCLASS64
>
>
> Are there other steps that need to be done or other packages to
> install that are not listed on the web page?
>
>
> Thanks, Jim
>
>

--
Rob Frohne, PhD, PE
Professor
EF Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99324
(509) 527-2075

2115. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 01:09:19 UTC
From: Sid Boyce
Topic: 2113 Message: 2115

```
The released file is native x86, not ARM.
Run "make" to build a new _quisk.so for ARM.

Make sure the build-essential package is installed.

$ make
$ sudo python setup.py install
73 ... Sid.

On 09/03/16 00:44, w6jhb@... [n2adr-sdr] wrote:
>
> Just built a fresh boot disk for my RPi2 - Raspian Jessie. Installed
> the pre-req packages listed on the Quisk Installation web page. When I
> tried starting up Quisk I get the following error:
>
>
> Traceback (most recent call last):
>
> File "./quisl.py", line 34, in <module>
>
> import _quisk as QS
>
> ImportError: ./_quisk.so: wrong ELF class: ELFCLASS64
>
>
> Are there other steps that need to be done or other packages to
> install that are not listed on the web page?
>
>
> Thanks, Jim
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks
```

2116. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 01:26:40 UTC
From: w6jhb@...
Topic: 2113 Message: 2116

Thanks Sid - that made a huge difference!

I am no longer using a SoftRock Ensemble RXTX - I now have an OmniaSDR connected. Quisk starts up but with everything as a default, nothing plays. If I put my old quisk_conf.py file in my pi directory will that get me close enough to begin tailoring things?

Jim / W6JHB

2117. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 02:31:05 UTC
From: James Bennett
Topic: 2113 Message: 2117

I guess I should have mentioned that I was running Quisk 3.7.7 and now have 4.0.4 after that make process.

Jim Bennett / W6JHB
Folsom, CA

> On Mar 8, 2016, at 5:26 PM, w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Thanks Sid - that made a huge difference!
>
>
> I am no longer using a SoftRock Ensemble RXTX - I now have an OmniaSDR connected. Quisk starts up but with everything as a default, nothing plays. If I put my old quisk_conf.py file in my pi directory will that get me close enough to begin tailoring things?
>
> Jim / W6JHB
>

2118. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 10:21:21 UTC
From: dh5ym@...
Topic: 2113 Message: 2118

Hi Jim,

if your quisk_conf.py worked before (with your OmniaSDR) then it should also work with Quisk 4.04.

regards
Mario

2119. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-09 22:34:27 UTC
From: Sid Boyce
Topic: 2113 Message: 2119

If ~/.quisk_conf.py exists it's used as the basis for ConfigFileRadio.
73 ... Sid.

On 09/03/16 10:21, dh5ym@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
> if your quisk_conf.py worked before (with your OmniaSDR) then it
> should also work with Quisk 4.04.
>
> regards
> Mario
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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2120. Re: [n2adr-sdr] Quisk 4.0.4 on Raspberry Pi - Install Problem

Yahoo group: n2adr-sdr
Date: 2016-03-10 03:13:45 UTC
From: James Bennett
Topic: 2113 Message: 2120

Yep, thanks Sid et all - mine is now working. Had one system file to modify so I was authorized to mess with USB devices, and then it worked fine. I was confused at first with a couple fields that were displayed as the numbers didn't match what was in my config file. Turns out my config had the numbers as hex and the Quisk Config/Radio panel was showing them to me in decimal. Now THAT brought back memories from my old mainframe programming days!!!

Jim Bennett / W6JHB
Folsom, CA

> On Mar 9, 2016, at 2:34 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> If ~/.quisk_conf.py exists it's used as the basis for ConfigFileRadio.
> 73 ... Sid.
>
>> On 09/03/16 10:21, dh5ym@... [n2adr-sdr] wrote:
>>
>> Hi Jim,
>>
>> if your quisk_conf.py worked before (with your OmniaSDR) then it
>> should also work with Quisk 4.04.
>>
>> regards
>> Mario
>
>
> --
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> Senior Staff Specialist, Cricket Coach
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2121. Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Yahoo group: n2adr-sdr
Date: 2016-03-10 03:24:33 UTC
From: James Bennett
Topic: 2121 Message: 2121

Got another question for the experts in the group. I had been using v3.7.7 on my Raspberry Pi2 under Raspian Wheezy. I built a new OS disk with Raspian Jessie and installed Quisk 4.0.4 on it. After a few hiccups, today I was successful in getting it to work. In fact I had a nice 20 minute CW QSO with a fellow in Arizona on 20 meters. I was running my OmniaSDR at one whopping watt; the other station was running a TenTec station at 550 watts! My radio is an OmniaSDR 60/40/30/20 meter model.

Anyway, it seems to me that the audio level is very, very low on the new system. I have the volume slider in Quisk all the way up just to have a comfortable listening level. If I had done that with the old configuration, my ears would have been hurting. Has anyone else seen a drop in audio volume after upgrading to Quisk 4.0.4 and/or Jessie? Or, is there a setting somewhere that I can tweak to make it louder?

Tomorrow, if I can get the time, I will re-boot with the old OS and bring up the old Quisk 3.7.7, just to be sure I am not imagining this. If the old OS and old Quisk is in fact lots louder, I'll try to install Quisk 4.0.4 on the old OS to see if it makes the volume lower.

Any thoughts...?

Jim Bennett / W6JHB
Folsom, CA

2122. RE: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Yahoo group: n2adr-sdr
Date: 2016-03-10 04:15:41 UTC
From: MIKE DURKIN
Topic: 2121 Message: 2122

Verify levels and AGC setting on CW ....

did you check the pulseaudio levels with pavucontrol

and the audio slider on Quisk on the far left?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Wed, 9 Mar 2016 19:24:33 -0800
Subject: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Got another question for the experts in the group. I had been using v3.7.7 on my Raspberry Pi2 under Raspian Wheezy. I built a new OS disk with Raspian Jessie and installed Quisk 4.0.4 on it. After a few hiccups, today I was successful in getting it to work. In fact I had a nice 20 minute CW QSO with a fellow in Arizona on 20 meters. I was running my OmniaSDR at one whopping watt; the other station was running a TenTec station at 550 watts! My radio is an OmniaSDR 60/40/30/20 meter model.

Anyway, it seems to me that the audio level is very, very low on the new system. I have the volume slider in Quisk all the way up just to have a comfortable listening level. If I had done that with the old configuration, my ears would have been hurting. Has anyone else seen a drop in audio volume after upgrading to Quisk 4.0.4 and/or Jessie? Or, is there a setting somewhere that I can tweak to make it louder?

Tomorrow, if I can get the time, I will re-boot with the old OS and bring up the old Quisk 3.7.7, just to be sure I am not imagining this. If the old OS and old Quisk is in fact lots louder, I'll try to install Quisk 4.0.4 on the old OS to see if it makes the volume lower.

Any thoughts...?

Jim Bennett / W6JHB

Folsom, CA

2123. Re: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Yahoo group: n2adr-sdr
Date: 2016-03-10 11:20:33 UTC
From: Sid Boyce
Topic: 2121 Message: 2123

Using pavucontrol or alsamixer should work.

It looks like OmniaSDR has an onboard sound card.
check what "cat /proc/asound/cards" says, e.g
root@hiqsdr-desktop:~# cat /proc/asound/cards
0 [ALSA]: bcm2835 - bcm2835 ALSA
bcm2835 ALSA
1 [Device]: USB-Audio - USB PnP Sound Device
C-Media Electronics Inc. USB PnP Sound Device at
usb-3f980000.usb-1.3.1, full s
Run alsamixer, select each card or and check the volume sliders are set
to or near maximum.
73 ... Sid.

On 10/03/16 04:15, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Verify levels and AGC setting on CW ....
>
> did you check the pulseaudio levels with pavucontrol
>
> and the audio slider on Quisk on the far left?
>
> ---
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Wed, 9 Mar 2016 19:24:33 -0800
> Subject: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels
>
> Got another question for the experts in the group. I had been using
> v3.7.7 on my Raspberry Pi2 under Raspian Wheezy. I built a new OS disk
> with Raspian Jessie and installed Quisk 4.0.4 on it. After a few
> hiccups, today I was successful in getting it to work. In fact I had a
> nice 20 minute CW QSO with a fellow in Arizona on 20 meters. I was
> running my OmniaSDR at one whopping watt; the other station was
> running a TenTec station at 550 watts! My radio is an OmniaSDR
> 60/40/30/20 meter model.
>
> Anyway, it seems to me that the audio level is very, very low on the
> new system. I have the volume slider in Quisk all the way up just to
> have a comfortable listening level. If I had done that with the old
> configuration, my ears would have been hurting. Has anyone else seen a
> drop in audio volume after upgrading to Quisk 4.0.4 and/or Jessie? Or,
> is there a setting somewhere that I can tweak to make it louder?
>
> Tomorrow, if I can get the time, I will re-boot with the old OS and

> bring up the old Quisk 3.7.7, just to be sure I am not imagining this.
> If the old OS and old Quisk is in fact lots louder, I'll try to
> install Quisk 4.0.4 on the old OS to see if it makes the volume lower.
>
> Any thoughts...?
>
> Jim Bennett / W6JHB
> Folsom, CA
>

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2124. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-10 12:32:04 UTC
From: Sid Boyce
Topic: 2100 Message: 2124

Yesterday I got a couple of 64GB class 10 SD cards and I used one to upgrade from the 16GB used with the ODROID-C2.

Using an old Zotac MaG mini-PC with Kubuntu 15.10 x86_64 installed.
dmesg said the 16GB card was /dev/sdd with partitions /dev/sdd1 and /dev/sdd2.
dd if=/dev/sdd of=Ubuntu1604_16GB.img bs=1M conv=fsync

Put the 64GB card in the reader.
dd if=Ubuntu1604_16GB.img of=/dev/sdd bs=1M conv=fsync

When it was done removed and reinserted the SD card then ran "gparted /dev/sdd" and extended partition 2 to use all the free space 63871 = (15064 existing + 48807 unused).
Quit gparted, ran "fsck -a /dev/sdd1" twice, clean on second run, then "fsck -a /dev/sdd2" which reported clean.

New 64GB SD card inserted in the -C2, booted up, quisk-4.0.4 running Hermes-Lite with a 7 inch touchscreen (1920x1080 resolution) and HMDI audio with built-in amplifier and speaker.

The ODROID-C2 is very fast with 64-bit Ubuntu ARM.
Only 32-bit distros for the Pi 3 are currently available. Also Pi 3 only has half the memory of the -C2, 1.2GHz CPU speed and a 100MBit Ethernet.
http://techfrag.com/2016/03/08/raspberry-pi-3-competitor-odroid-c2-is-much-more-powerful-costs-only-5-more/

Some time later I'll also backup the 64GB card.

Hi Mike,
All the Mali 450-MP3 GPU support is in by default.
root@odroid64:~# dpkg -L mali-fbdev
/.
/usr
/usr/include
/usr/include/KHR
/usr/include/KHR/khrplatform.h
/usr/include/EGL
/usr/include/EGL/egl.h
/usr/include/EGL/eglext.h
/usr/include/EGL/fbdev_window.h
/usr/include/EGL/eglplatform.h
/usr/include/GLES
/usr/include/GLES/glplatform.h
/usr/include/GLES/gl.h
/usr/include/GLES/glext.h
/usr/include/GLES2

/usr/include/GLES2/gl2ext.h
/usr/include/GLES2/gl2.h
/usr/include/GLES2/gl2platform.h
/usr/lib
/usr/lib/aarch64-linux-gnu
/usr/lib/aarch64-linux-gnu/pkgconfig
/usr/lib/aarch64-linux-gnu/pkgconfig/glesv2.pc
/usr/lib/aarch64-linux-gnu/pkgconfig/glesv1_cm.pc
/usr/lib/aarch64-linux-gnu/pkgconfig/glesv1.pc
/usr/lib/aarch64-linux-gnu/pkgconfig/egl.pc
/usr/lib/aarch64-linux-gnu/libMali.so
/usr/lib/aarch64-linux-gnu/ld.so.conf
/usr/lib/aarch64-linux-gnu/libEGL.so.1
/usr/lib/aarch64-linux-gnu/libEGL.so
/usr/lib/aarch64-linux-gnu/libGLESv1_CM.so.1.1
/usr/lib/aarch64-linux-gnu/libGLESv1_CM.so.1
/usr/lib/aarch64-linux-gnu/libGLESv2.so
/usr/lib/aarch64-linux-gnu/libGLESv1_CM.so
/usr/lib/aarch64-linux-gnu/libGLESv2.so.2.0
/usr/lib/aarch64-linux-gnu/libGLESv2.so.2
/usr/lib/aarch64-linux-gnu/libEGL.so.1.4

73 ... Sid.

On 05/03/16 05:17, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Get your good image out and use a ubuntu disk and shrink the free
> space down with Gparted or something before making the image ... and
> try again.
>
> Once the new image is writen on the new SD, use the Ubuntu live CD
> again to make the partition fully taking up the space ...
>
> Id guess that the new SD is not quite a full 32 gig ....
>
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> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Fri, 4 Mar 2016 20:21:21 -0800
> Subject: Re: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]
>
> Well, I know this is sort of off-thread, but I still need to ask for
> help on it, as it in a way is related to installing Quisk and having a
> backout plan…
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> There was a posting on the web where an RPi user backed up his SD card
> on Windows using Win32 Disk Imager. This evening I ran the backup of
> the SD card to my Windows 8.1 hard drive which took about an hour but
> came to a successful completion. I ejected my “good” RPi SD card,
> put it in a safe place, and then inserted a blank SD card into my SD
> card reader. I formatted it and tried to restore my backup .img file

> to it. In typical Windows fashion, it would not work. Tells me that
> the blank disk is not large enough. Interesting, as both are 32GB
> cards, bought in the same package. Here is a screen shot of the error:
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> Can anyone tell me what the heck is going on?
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> On Friday, Mar 4, 2016, at Friday, 5:23 PM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Googling says there is a dd command for OSX and winddd for XP, don't
> know if it works with later Windows versions.
> I've used over a dozen OS's but neither of the above 2 have been
> in my
> armoury.
>
> In Linux/Unix, dmesg will identify the SD card placed in the
> reader as
> mentioned in the install instructions, then
> "sudo dd if=/dev/sd?
> of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img
> bs=4M" creates an image file on a USB stick or hard drive.
>
> Putting it to a new SD card is the same procedure as creating the
> original SD card but using Rpi.img.
>
> I have quisk-3.5.4 and all others since on a hard drive in the /opt
> directory and even earlier versions on another HD.
>
> Unpacking 4.0.4 creates a quisk-4.0.4 directory.
> If launched in that directory with "python quisk.py" after "make" is
> run, it will read and use the contents of ~/.quisk_conf.py if it
> exists.
> Otherwise the GUI config can be used to do the job. This method
> does not
> alter anything.
>
> If "sudo python setup.py install" is run it writes file to
> /usr/lib/python2.7/dist-packages/quisk/ or
> /usr/local/lib/python2.7/dist-packages/quisk/ and puts a "quisk"
> executable script in /usr/bin or /usr/local/bin so will overwrite
> what
> the previous run of "python setup.py install" did, including the
> quisk
> executable script.
> "quisk" from the command line will then launch the latest version.
> 73 ... Sid.
>

> On 04/03/16 00:08, James Bennett w6jhb@...
> <mailto:w6jhb@...> [n2adr-sdr] wrote:
>
>
> Daniel,
>
>
> That for sure would be a safer way to go, but then Iâ€™d
> wind up with
> an OS having none of the other applications on it that I am
> currently
> used to having available. And re-loading / customizing them
> all over
> would be a PITA.
>
> One thing that Iâ€™ve tried, quite unsuccessfully, is to
> back up my
> RPi SD card on my Mac (or Windows 8.1) so that Iâ€™d have a
> â€œspareâ€? OS card in case / when the main SD card
> dies. If anyone
> reading through this thread has a sure-fire way of backing up
> an SD
> card and getting it restored to a blank, it sure would be nice
> to have
> that info postedâ€¦
>
> Jim, W6JHB
>
>
> On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel
> Tiganas
> dan.tiganas@... <mailto:dan.tiganas@...>
> <mailto:dan.tiganas@...> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
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> Hi, why don't you try with another SD card with a fresh OS?
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> On Thu, Mar 3, 2016 at 6:18 PM,w6jhb@...
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> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
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>
> Will the installation of version 4 on a Raspberry Pi
> affect a
> currently installed version 3.7.7? The old version is

> working
> fine right now; I'd like to give V4 a spin, but not if
> it is
> going to hose my V3.
>
>
> Comments, please.....
>
>
>
>
>
> --
> Daniel Tiganas
> Managing Director
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> SC IntraSys SRL
> str. Parang, 21/50
> 400552, Cluj Napoca
> RomaniaPhone: (+40) 745-035423
>
> E-mail: mailto:daniel.tiganas@...
> <mailto:daniel.tiganas@...>
> Web: http://www.intrasys.ro <http://www.intrasys.ro/>
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> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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2125. Redipitaya XTAL-Freq --function??

Yahoo group: n2adr-sdr
Date: 2016-03-10 14:50:49 UTC
From: michael.hartje@...
Topic: 2125 Message: 2125

Dear List,

Quisk 4.0.4 supports redpitaya. so I use it via enet on a linux system with SDR_HPSDR binaries from Pavel Demin. The RP act like a hpsdr. Quisk works on linux system together with RP.

The hardware has a frequency deviation. In the config--> hardware there is a dialog named "Clock Frequency Hertz" with preset value of 125MHz (125000000). -- this is the sample rate.
When I change this value to correct the frequency deviation, there seems to be no influence even after a restart of quisk.

Does anybody knows a little more about that? Does anybody had success to correct the frequency deviation with the redpitaya?
What should I do in an other way?

Thanks in advance

Michael

2126. Re: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Yahoo group: n2adr-sdr
Date: 2016-03-10 17:47:59 UTC
From: James Bennett
Topic: 2121 Message: 2126

Sid and Mike -

Thanks to both for the suggestions on my low audio level. The solution was running alsamixer. Looks like the default setting on a newly built Jessie system is around 40 percent. I moved it up to 94 percent and what a difference! I was about to say that the OS really should have an easier way to change volume levels when.... OMG - there it was in the bottom right corner of the System Panel - the little speaker icon. Perhaps it's time for some new reading glasses! Arrghhhhhh...!

73, Jim

Jim Bennett / W6JHB
Folsom, CA

> On Mar 10, 2016, at 3:20 AM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Using pavucontrol or alsamixer should work.
>
> It looks like OmniaSDR has an onboard sound card.
> check what "cat /proc/asound/cards" says, e.g
> root@hiqsdr-desktop:~# cat /proc/asound/cards
> 0 [ALSA]: bcm2835 - bcm2835 ALSA
> bcm2835 ALSA
> 1 [Device]: USB-Audio - USB PnP Sound Device
> C-Media Electronics Inc. USB PnP Sound Device at
> usb-3f980000.usb-1.3.1, full s
> Run alsamixer, select each card or and check the volume sliders are set
> to or near maximum.
> 73 ... Sid.
>
>> On 10/03/16 04:15, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>>
>> Verify levels and AGC setting on CW ....
>>
>> did you check the pulseaudio levels with pavucontrol
>>
>> and the audio slider on Quisk on the far left?
>>
>> --
>> To: n2adr-sdr@yahoogroups.com
>> From: n2adr-sdr@yahoogroups.com
>> Date: Wed, 9 Mar 2016 19:24:33 -0800
>> Subject: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels
>>
>> Got another question for the experts in the group. I had been using

>> v3.7.7 on my Raspberry Pi2 under Raspian Wheezy. I built a new OS disk
>> with Raspian Jessie and installed Quisk 4.0.4 on it. After a few
>> hiccups, today I was successful in getting it to work. In fact I had a
>> nice 20 minute CW QSO with a fellow in Arizona on 20 meters. I was
>> running my OmniaSDR at one whopping watt; the other station was
>> running a TenTec station at 550 watts! My radio is an OmniaSDR
>> 60/40/30/20 meter model.
>>
>> Anyway, it seems to me that the audio level is very, very low on the
>> new system. I have the volume slider in Quisk all the way up just to
>> have a comfortable listening level. If I had done that with the old
>> configuration, my ears would have been hurting. Has anyone else seen a
>> drop in audio volume after upgrading to Quisk 4.0.4 and/or Jessie? Or,
>> is there a setting somewhere that I can tweak to make it louder?
>>
>> Tomorrow, if I can get the time, I will re-boot with the old OS and
>> bring up the old Quisk 3.7.7, just to be sure I am not imagining this.
>> If the old OS and old Quisk is in fact lots louder, I'll try to
>> install Quisk 4.0.4 on the old OS to see if it makes the volume lower.
>>
>> Any thoughts...?
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> Yahoo Groups Links
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2127. RE: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-10 18:32:59 UTC
From: MIKE DURKIN
Topic: 2100 Message: 2127

Wana make an image -- small as you can get it ... im sure the rest of use (me i guess) can re-enlarge it.

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 10 Mar 2016 12:32:04 +0000
> Subject: Re: [n2adr-sdr] Install of Quisk V4 Question
>
> Yesterday I got a couple of 64GB class 10 SD cards and I used one to
> upgrade from the 16GB used with the ODROID-C2.
>
> Using an old Zotac MaG mini-PC with Kubuntu 15.10 x86_64 installed.
> dmesg said the 16GB card was /dev/sdd with partitions /dev/sdd1 and
> /dev/sdd2.
> dd if=/dev/sdd of=Ubuntu1604_16GB.img bs=1M conv=fsync
>
> Put the 64GB card in the reader.
> dd if=Ubuntu1604_16GB.img of=/dev/sdd bs=1M conv=fsync
>
> When it was done removed and reinserted the SD card then ran "gparted
> /dev/sdd" and extended partition 2 to use all the free space 63871 =
> (15064 existing + 48807 unused).
> Quit gparted, ran "fsck -a /dev/sdd1" twice, clean on second run, then
> "fsck -a /dev/sdd2" which reported clean.
>
> New 64GB SD card inserted in the -C2, booted up, quisk-4.0.4 running
> Hermes-Lite with a 7 inch touchscreen (1920x1080 resolution) and HMDI
> audio with built-in amplifier and speaker.
>
> The ODROID-C2 is very fast with 64-bit Ubuntu ARM.
> Only 32-bit distros for the Pi 3 are currently available. Also Pi 3 only
> has half the memory of the -C2, 1.2GHz CPU speed and a 100MBit Ethernet.
> http://techfrag.com/2016/03/08/raspberry-pi-3-competitor-odroid-c2-is-much-more-powerful
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>
> Some time later I'll also backup the 64GB card.
>
> Hi Mike,
> All the Mali 450-MP3 GPU support is in by default.
> root@odroid64:~# dpkg -L mali-fbdev
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> /usr/lib/aarch64-linux-gnu/pkgconfig/glesv1.pc
> /usr/lib/aarch64-linux-gnu/pkgconfig/egl.pc
> /usr/lib/aarch64-linux-gnu/libMali.so
> /usr/lib/aarch64-linux-gnu/ld.so.conf
> /usr/lib/aarch64-linux-gnu/libEGL.so.1
> /usr/lib/aarch64-linux-gnu/libEGL.so
> /usr/lib/aarch64-linux-gnu/libGLESv1_CM.so.1.1
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> > Date: Fri, 4 Mar 2016 20:21:21 -0800
> > Subject: Re: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]

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> > Well, I know this is sort of off-thread, but I still need to ask for
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> > On 04/03/16 00:08, James Bennett w6jhb@...
> > <mailto:w6jhb@...> [n2adr-sdr] wrote:
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> >
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> >
> > One thing that IÃ¢â‚¬â„¢ve tried, quite unsuccessfully, is to
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> > Jim, W6JHB
> >
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> > Comments, please.....
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> > --
> > Daniel Tiganas
> > Managing Director
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> > <mailto:daniel.tiganas@...>
> > Web: http://www.intrasys.ro <http://www.intrasys.ro/>
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2128. Re: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels

Yahoo group: n2adr-sdr
Date: 2016-03-11 11:40:30 UTC
From: Sid Boyce
Topic: 2121 Message: 2128

Hi Jim,
In the early days of Linux the volume used to be set to 100% resulting
in a deafening screech on startup.
On some systems it will come up with a low value or muted which was the
first solution to the original problem.
73 ... Sid.

On 10/03/16 17:47, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid and Mike -
>
> Thanks to both for the suggestions on my low audio level. The solution
> was running alsamixer. Looks like the default setting on a newly built
> Jessie system is around 40 percent. I moved it up to 94 percent and
> what a difference! I was about to say that the OS really should have
> an easier way to change volume levels when.... OMG - there it was in
> the bottom right corner of the System Panel - the little speaker icon.
> Perhaps it's time for some new reading glasses! Arrghhhhhh...!
>
> 73, Jim
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> > On Mar 10, 2016, at 3:20 AM, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
> >
> > Using pavucontrol or alsamixer should work.
> >
> > It looks like OmniaSDR has an onboard sound card.
> > check what "cat /proc/asound/cards" says, e.g
> > root@hiqsdr-desktop:~# cat /proc/asound/cards
> > 0 [ALSA]: bcm2835 - bcm2835 ALSA
> > bcm2835 ALSA
> > 1 [Device]: USB-Audio - USB PnP Sound Device
> > C-Media Electronics Inc. USB PnP Sound Device at
> > usb-3f980000.usb-1.3.1, full s
> > Run alsamixer, select each card or and check the volume sliders are set
> > to or near maximum.
> > 73 ... Sid.
> >
> >> On 10/03/16 04:15, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> >>
> >> Verify levels and AGC setting on CW ....
> >>

> >> did you check the pulseaudio levels with pavucontrol
> >>
> >> and the audio slider on Quisk on the far left?
> >>
> >> --
> >> To: n2adr-sdr@yahoogroups.com
> >> From: n2adr-sdr@yahoogroups.com
> >> Date: Wed, 9 Mar 2016 19:24:33 -0800
> >> Subject: [n2adr-sdr] Quisk 4.0.4 vs Quisk 3.7.7 Audio Levels
> >>
> >> Got another question for the experts in the group. I had been using
> >> v3.7.7 on my Raspberry Pi2 under Raspian Wheezy. I built a new OS disk
> >> with Raspian Jessie and installed Quisk 4.0.4 on it. After a few
> >> hiccups, today I was successful in getting it to work. In fact I had a
> >> nice 20 minute CW QSO with a fellow in Arizona on 20 meters. I was
> >> running my OmniaSDR at one whopping watt; the other station was
> >> running a TenTec station at 550 watts! My radio is an OmniaSDR
> >> 60/40/30/20 meter model.
> >>
> >> Anyway, it seems to me that the audio level is very, very low on the
> >> new system. I have the volume slider in Quisk all the way up just to
> >> have a comfortable listening level. If I had done that with the old
> >> configuration, my ears would have been hurting. Has anyone else seen a
> >> drop in audio volume after upgrading to Quisk 4.0.4 and/or Jessie? Or,
> >> is there a setting somewhere that I can tweak to make it louder?
> >>
> >> Tomorrow, if I can get the time, I will re-boot with the old OS and
> >> bring up the old Quisk 3.7.7, just to be sure I am not imagining this.
> >> If the old OS and old Quisk is in fact lots louder, I'll try to
> >> install Quisk 4.0.4 on the old OS to see if it makes the volume lower.
> >>
> >> Any thoughts...?
> >>
> >> Jim Bennett / W6JHB
> >> Folsom, CA
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> > Yahoo Groups Links
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2129. Re: [n2adr-sdr] Install of Quisk V4 Question

Yahoo group: n2adr-sdr
Date: 2016-03-11 12:07:28 UTC
From: Sid Boyce
Topic: 2100 Message: 2129

Hi Mike,
The image I backed up was just the standard 4GB
ubuntu64-16.04lts-mate-odroid-c2-20160226.img with partition 2 expanded
to fill the 16GB SD card using gparted and configured for touch, UK
keyboard and other settings plus additional packages from the repo and
quisk-4.0.4 and ~/quisk_settings.json.
73 ... Sid.

On 10/03/16 18:32, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Wana make an image -- small as you can get it ... im sure the rest of
> use (me i guess) can re-enlarge it.
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 10 Mar 2016 12:32:04 +0000
> > Subject: Re: [n2adr-sdr] Install of Quisk V4 Question
> >
> > Yesterday I got a couple of 64GB class 10 SD cards and I used one to
> > upgrade from the 16GB used with the ODROID-C2.
> >
> > Using an old Zotac MaG mini-PC with Kubuntu 15.10 x86_64 installed.
> > dmesg said the 16GB card was /dev/sdd with partitions /dev/sdd1 and
> > /dev/sdd2.
> > dd if=/dev/sdd of=Ubuntu1604_16GB.img bs=1M conv=fsync
> >
> > Put the 64GB card in the reader.
> > dd if=Ubuntu1604_16GB.img of=/dev/sdd bs=1M conv=fsync
> >
> > When it was done removed and reinserted the SD card then ran "gparted
> > /dev/sdd" and extended partition 2 to use all the free space 63871 =
> > (15064 existing + 48807 unused).
> > Quit gparted, ran "fsck -a /dev/sdd1" twice, clean on second run, then
> > "fsck -a /dev/sdd2" which reported clean.
> >
> > New 64GB SD card inserted in the -C2, booted up, quisk-4.0.4 running
> > Hermes-Lite with a 7 inch touchscreen (1920x1080 resolution) and HMDI
> > audio with built-in amplifier and speaker.
> >
> > The ODROID-C2 is very fast with 64-bit Ubuntu ARM.
> > Only 32-bit distros for the Pi 3 are currently available. Also Pi 3
> only
> > has half the memory of the -C2, 1.2GHz CPU speed and a 100MBit Ethernet.
> >
> http://techfrag.com/2016/03/08/raspberry-pi-3-competitor-odroid-c2-is-much-more-powerful

-costs-only-5-more/
> >
> > Some time later I'll also backup the 64GB card.
> >
> > Hi Mike,
> > All the Mali 450-MP3 GPU support is in by default.
> > root@odroid64:~# dpkg -L mali-fbdev
> > /.
> > /usr
> > /usr/include
> > /usr/include/KHR
> > /usr/include/KHR/khrplatform.h
> > /usr/include/EGL
> > /usr/include/EGL/egl.h
> > /usr/include/EGL/eglext.h
> > /usr/include/EGL/fbdev_window.h
> > /usr/include/EGL/eglplatform.h
> > /usr/include/GLES
> > /usr/include/GLES/glplatform.h
> > /usr/include/GLES/gl.h
> > /usr/include/GLES/glext.h
> > /usr/include/GLES2
> > /usr/include/GLES2/gl2ext.h
> > /usr/include/GLES2/gl2.h
> > /usr/include/GLES2/gl2platform.h
> > /usr/lib
> > /usr/lib/aarch64-linux-gnu
> > /usr/lib/aarch64-linux-gnu/pkgconfig
> > /usr/lib/aarch64-linux-gnu/pkgconfig/glesv2.pc
> > /usr/lib/aarch64-linux-gnu/pkgconfig/glesv1_cm.pc
> > /usr/lib/aarch64-linux-gnu/pkgconfig/glesv1.pc
> > /usr/lib/aarch64-linux-gnu/pkgconfig/egl.pc
> > /usr/lib/aarch64-linux-gnu/libMali.so
> > /usr/lib/aarch64-linux-gnu/ld.so.conf
> > /usr/lib/aarch64-linux-gnu/libEGL.so.1
> > /usr/lib/aarch64-linux-gnu/libEGL.so
> > /usr/lib/aarch64-linux-gnu/libGLESv1_CM.so.1.1
> > /usr/lib/aarch64-linux-gnu/libGLESv1_CM.so.1
> > /usr/lib/aarch64-linux-gnu/libGLESv2.so
> > /usr/lib/aarch64-linux-gnu/libGLESv1_CM.so
> > /usr/lib/aarch64-linux-gnu/libGLESv2.so.2.0
> > /usr/lib/aarch64-linux-gnu/libGLESv2.so.2
> > /usr/lib/aarch64-linux-gnu/libEGL.so.1.4
> >
> > 73 ... Sid.
> >
> > On 05/03/16 05:17, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
> > >
> > > Get your good image out and use a ubuntu disk and shrink the free
> > > space down with Gparted or something before making the image ... and
> > > try again.

> > >
> > > Once the new image is writen on the new SD, use the Ubuntu live CD
> > > again to make the partition fully taking up the space ...
> > >
> > > Id guess that the new SD is not quite a full 32 gig ....
> > >
> > >
> ---
> > > To: n2adr-sdr@yahoogroups.com
> > > From: n2adr-sdr@yahoogroups.com
> > > Date: Fri, 4 Mar 2016 20:21:21 -0800
> > > Subject: Re: [n2adr-sdr] Install of Quisk V4 Question [1 Attachment]
> > >
> > > Well, I know this is sort of off-thread, but I still need to ask for
> > > help on it, as it in a way is related to installing Quisk and
> having a
> > > backout plan…
> > >
> > > There was a posting on the web where an RPi user backed up his SD
> card
> > > on Windows using Win32 Disk Imager. This evening I ran the backup of
> > > the SD card to my Windows 8.1 hard drive which took about an hour but
> > > came to a successful completion. I ejected my “good” RPi SD card,
> > > put it in a safe place, and then inserted a blank SD card into my SD
> > > card reader. I formatted it and tried to restore my backup .img file
> > > to it. In typical Windows fashion, it would not work. Tells me that
> > > the blank disk is not large enough. Interesting, as both are 32GB
> > > cards, bought in the same package. Here is a screen shot of the error:
> > >
> > >
> > > Can anyone tell me what the heck is going on?
> > >
> > >
> > > On Friday, Mar 4, 2016, at Friday, 5:23 PM, Sid Boyce
> > > g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
> > > <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> > >
> > > Googling says there is a dd command for OSX and winddd for XP, don't
> > > know if it works with later Windows versions.
> > > I've used over a dozen OS's but neither of the above 2 have been
> > > in my
> > > armoury.
> > >
> > > In Linux/Unix, dmesg will identify the SD card placed in the
> > > reader as
> > > mentioned in the install instructions, then
> > > "sudo dd if=/dev/sd?
> > > of=<mountpoint_of_USBstick_or_HD_partition>/Rpi.img
> > > bs=4M" creates an image file on a USB stick or hard drive.
> > >

> > > Putting it to a new SD card is the same procedure as creating the
> > > original SD card but using Rpi.img.
> > >
> > > I have quisk-3.5.4 and all others since on a hard drive in the /opt
> > > directory and even earlier versions on another HD.
> > >
> > > Unpacking 4.0.4 creates a quisk-4.0.4 directory.
> > > If launched in that directory with "python quisk.py" after "make" is
> > > run, it will read and use the contents of ~/.quisk_conf.py if it
> > > exists.
> > > Otherwise the GUI config can be used to do the job. This method
> > > does not
> > > alter anything.
> > >
> > > If "sudo python setup.py install" is run it writes file to
> > > /usr/lib/python2.7/dist-packages/quisk/ or
> > > /usr/local/lib/python2.7/dist-packages/quisk/ and puts a "quisk"
> > > executable script in /usr/bin or /usr/local/bin so will overwrite
> > > what
> > > the previous run of "python setup.py install" did, including the
> > > quisk
> > > executable script.
> > > "quisk" from the command line will then launch the latest version.
> > > 73 ... Sid.
> > >
> > > On 04/03/16 00:08, James Bennett w6jhb@...
> > > <mailto:w6jhb@...> [n2adr-sdr] wrote:
> > >
> > >
> > > Daniel,
> > >
> > >
> > > That for sure would be a safer way to go, but then Iâ€™d
> > > wind up with
> > > an OS having none of the other applications on it that I am
> > > currently
> > > used to having available. And re-loading / customizing them
> > > all over
> > > would be a PITA.
> > >
> > > One thing that Iâ€™ve tried, quite unsuccessfully, is to
> > > back up my
> > > RPi SD card on my Mac (or Windows 8.1) so that Iâ€™d have a
> > > â€œspareâ€? OS card in case / when the main SD card
> > > dies. If anyone
> > > reading through this thread has a sure-fire way of backing up
> > > an SD
> > > card and getting it restored to a blank, it sure would be nice
> > > to have
> > > that info postedâ€¦

> > >
> > > Jim, W6JHB
> > >
> > >
> > > On Thursday, Mar 3, 2016, at Thursday, 3:32 PM, Daniel
> > > Tiganas
> > > dan.tiganas@... <mailto:dan.tiganas@...>
> > > <mailto:dan.tiganas@...> [n2adr-sdr]
> > > <n2adr-sdr@yahoogroups.com
> > > <mailto:n2adr-sdr@yahoogroups.com>
> > > <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> > >
> > >
> > > Hi, why don't you try with another SD card with a fresh OS?
> > >
> > > On Thu, Mar 3, 2016 at 6:18 PM,w6jhb@...
> > > <mailto:w6jhb@...>
> > > <mailto:w6jhb@...>[n2adr-sdr]<n2adr-sdr@yahoogroups.com
> > > <mailto:n2adr-sdr@yahoogroups.com>
> > > <mailto:n2adr-sdr@yahoogroups.com>>wrote:
> > >
> > >
> > > Will the installation of version 4 on a Raspberry Pi
> > > affect a
> > > currently installed version 3.7.7? The old version is
> > > working
> > > fine right now; I'd like to give V4 a spin, but not if
> > > it is
> > > going to hose my V3.
> > >
> > >
> > > Comments, please.....
> > >
> > >
> > >
> > >
> > >
> > >
> > > --
> > > Daniel Tiganas
> > > Managing Director
> > >
> > > SC IntraSys SRL
> > > str. Parang, 21/50
> > > 400552, Cluj Napoca
> > > RomaniaPhone: (+40) 745-035423
> > >
> > > E-mail: mailto:daniel.tiganas@...
> > > <mailto:daniel.tiganas@...>
> > > Web: http://www.intrasys.ro <http://www.intrasys.ro/>
> > >

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> > >
> > >
> > > --
> > > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > > Senior Staff Specialist, Cricket Coach
> > > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> > >
> > > n2adr-sdr-fullfeatured@yahoogroups.com
> > > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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2130. Waterfall palette for QUISK

Yahoo group: n2adr-sdr
Date: 2016-03-15 22:30:26 UTC
From: rolin791@...
Topic: 2130 Message: 2130

Hey folks, more colors... !

https://translate.google.ru/translate?sl=ru&tl=en&js=y&prev=_t&hl=en&ie=UTF-8&u=http%3A%2F%2Fwww.sdr-deluxe.com%2Fforum%2F3-13-1&edit-text=&act=url https://translate.google.ru/translate?sl=ru&tl=en&js=y&prev=_t&hl=en&ie=UTF-8&u=http%3A%2F%2Fwww.sdr-deluxe.com%2Fforum%2F3-13-1&edit-text=&act=url

2131. remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 12:54:46 UTC
From: n1xbm@...
Topic: 2131 Message: 2131

I am new to Quisk on my ubuntu desktop 14.04. I already use desktop sharing which works fine. I noticed in the quisk software a mention to pulse audio. I got poking around and I saw that you can basically stream audio from one computer to another on a LAN. So I set my ubuntu desktop running 14.04 as the server and my laptop running 14.04 as well. I got so far as to see the sound card on my desktop, but I can not get any audio to pass to my laptop.

Is there anyone that can help with this?

Also is this what people are doing for remote operation of quisk? The desktop sharing seems to control things just fine. I just need audio.

Thank you,
Bob/N1XBM

2132. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 15:01:36 UTC
From: Sid Boyce
Topic: 2131 Message: 2132

This may possibly help.
http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
73 ... Sid.

On 22/03/16 12:54, n1xbm@... [n2adr-sdr] wrote:
>
> I am new to Quisk on my ubuntu desktop 14.04. I already use desktop
> sharing which works fine. I noticed in the quisk software a mention to
> pulse audio. I got poking around and I saw that you can basically
> stream audio from one computer to another on a LAN. So I set my ubuntu
> desktop running 14.04 as the server and my laptop running 14.04 as
> well. I got so far as to see the sound card on my desktop, but I can
> not get any audio to pass to my laptop.
>
> Is there anyone that can help with this?
>
> Also is this what people are doing for remote operation of quisk? The
> desktop sharing seems to control things just fine. I just need audio.
>
> Thank you,
> Bob/N1XBM
>
>
>
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
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2133. RE: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 15:19:16 UTC
From: MIKE DURKIN
Topic: 2131 Message: 2133

Any one know if Tx audio from remote on SSB to a IQ type radio is still messed up or not on ghpsdr3-alex ?

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Tue, 22 Mar 2016 15:01:36 +0000
> Subject: Re: [n2adr-sdr] remote audio
>
> This may possibly help.
> http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
> 73 ... Sid.
>
> On 22/03/16 12:54, n1xbm@... [n2adr-sdr] wrote:
> >
> > I am new to Quisk on my ubuntu desktop 14.04. I already use desktop
> > sharing which works fine. I noticed in the quisk software a mention to
> > pulse audio. I got poking around and I saw that you can basically
> > stream audio from one computer to another on a LAN. So I set my ubuntu
> > desktop running 14.04 as the server and my laptop running 14.04 as
> > well. I got so far as to see the sound card on my desktop, but I can
> > not get any audio to pass to my laptop.
> >
> > Is there anyone that can help with this?
> >
> > Also is this what people are doing for remote operation of quisk? The
> > desktop sharing seems to control things just fine. I just need audio.
> >
> > Thank you,
> > Bob/N1XBM
> >
> >
> >
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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2134. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 15:44:27 UTC
From: Robert Newberry
Topic: 2131 Message: 2134

Sid,

Thanks it helps a little bit. I've gotten as far as I have from multiple websites using google. This link you've sent is a new one to me. I fear I will need some help from someone who has already done it. Worst case scenario is I'll figure it out eventually. I was hoping someone here has done it and can lend a hand.

I was hoping to get it going using mp3 before I added the wrinkle of SDR.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Mar 22, 2016 11:01 AM, "Sid Boyce g3vbv@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

> This may possibly help.
> http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
> 73 ... Sid.
>
> On 22/03/16 12:54, n1xbm@... [n2adr-sdr] wrote:
> >
> > I am new to Quisk on my ubuntu desktop 14.04. I already use desktop
> > sharing which works fine. I noticed in the quisk software a mention to
> > pulse audio. I got poking around and I saw that you can basically
> > stream audio from one computer to another on a LAN. So I set my ubuntu
> > desktop running 14.04 as the server and my laptop running 14.04 as
> > well. I got so far as to see the sound card on my desktop, but I can
> > not get any audio to pass to my laptop.
> >
> > Is there anyone that can help with this?
> >
> > Also is this what people are doing for remote operation of quisk? The
> > desktop sharing seems to control things just fine. I just need audio.
> >
> > Thank you,
> > Bob/N1XBM
> >
> >
> >
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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2135. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 16:07:32 UTC
From: Sid Boyce
Topic: 2131 Message: 2135

I used to configure pavucontrol and paprefs, but with 8 PC's and SBC's
the mixer GUI's got overcrowded with the sound cards from every system
appearing on them all.

I think the idea with ghpsdr3-alex and QtRadio was to have all these
local and remote sound cards available on all systems.

You could configure pavucontrol and paprefs, then see if quisk Config
shows them all.

My only experience was when QtRadio was mistakenly configured with a
remote sound card and I wondered why I got no local audio.
73 ... Sid.

On 22/03/16 15:44, Robert Newberry n1xbm@... [n2adr-sdr] wrote:
>
> Sid,
>
> Thanks it helps a little bit. I've gotten as far as I have from
> multiple websites using google. This link you've sent is a new one to
> me. I fear I will need some help from someone who has already done it.
> Worst case scenario is I'll figure it out eventually. I was hoping
> someone here has done it and can lend a hand.
>
> I was hoping to get it going using mp3 before I added the wrinkle of SDR.
>
> N1XBM
> Apparare Scientor
> Paratus Communicare
> Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657
> ? ? ?
>
> On Mar 22, 2016 11:01 AM, "Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> This may possibly help.
> http://napan.ca/ghpsdr3/index.php/Pulseaudio_Setup
> 73 ... Sid.
>
> On 22/03/16 12:54, n1xbm@... <mailto:n1xbm@...>
> [n2adr-sdr] wrote:
> >
> > I am new to Quisk on my ubuntu desktop 14.04. I already use desktop
> > sharing which works fine. I noticed in the quisk software a
> mention to

> > pulse audio. I got poking around and I saw that you can basically
> > stream audio from one computer to another on a LAN. So I set my
> ubuntu
> > desktop running 14.04 as the server and my laptop running 14.04 as
> > well. I got so far as to see the sound card on my desktop, but I can
> > not get any audio to pass to my laptop.
> >
> > Is there anyone that can help with this?
> >
> > Also is this what people are doing for remote operation of
> quisk? The
> > desktop sharing seems to control things just fine. I just need
> audio.
> >
> > Thank you,
> > Bob/N1XBM
> >
> >
> >
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> Yahoo Groups Links
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> ? ? n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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Microsoft Windows Free Zone - Linux used for all Computing Tasks

2136. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-22 22:26:15 UTC
From: peter@...
Topic: 2131 Message: 2136

Hi Bob,

I do not have an answer regading the audio issue, other than that I'm (trying to) dig into it myself. I intend to use 2 instances of Quisk at 2 locations. One at home serving as a platform which will show the Graph, Waterfall, and control etc. The other one residing at my remote location and doing the number crunching and actual receive and transmit. So far I've managed to get remote control of the buttons and I transfer the Graphical data using just 1 Byte per pixel, hence minimising the data to be transmitted across Internet. One of the last things to resolve is sending back and forth audio. The audio is available within the Quisk Software as a 48 kHz sampled data flow (I suppose...), which is send to a USB audio card. In stead of sending it to a soundcard I like to have it forward to an UDP Socket, after having performed some processing: In order to minimise the flow of data across (sometimes narrow band!) internet, I opt to use uLaw compression and to sample at say 12 kHz. But having said that, I still need to find out how to get my hands on that audio stream and diect it to a socket!

Not much of help I guess, just letting you know that you're not the only one trying to get audio across a certain distance, using ethernet/internet!

73s,

Peter, PA3BIY

2137. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-23 02:13:40 UTC
From: Robert Newberry
Topic: 2131 Message: 2137

Ok some success!

I got the pulse server working. I was streaming an mp3 using rythmbox on desktop to my laptop great!

I got quisk running on my desktop and have local audio at the desktop.

When I look pavucontrol I do not see the audio source, like I did when I was playing an mp3.

I see there are settings in quisk for a pulse server. I also assume I must have to route the audio so pulse can see it.

Anyone ever done this before?

BTW the links posted at the start of thr topic got me this far. Thank you!

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2138. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-23 10:54:25 UTC
From: Eric Thornton
Topic: 2131 Message: 2138

Bob,

Quisk has options to use a remote pulseaudio device as an iq audio source. Take a look at my old site km4dsj.wordpress.com for more info on my setup. If you want to stream baseband audio only to the laptop, then you will have to setup a tunnel with pulseaudio. Let me know if this makes sense after looking at the link.

Eric
WW4ET
On Mar 22, 2016 8:54 AM, "n1xbm@amsat.org [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I am new to Quisk on my ubuntu desktop 14.04. I already use desktop
> sharing which works fine. I noticed in the quisk software a mention to
> pulse audio. I got poking around and I saw that you can basically stream
> audio from one computer to another on a LAN. So I set my ubuntu desktop
> running 14.04 as the server and my laptop running 14.04 as well. I got so
> far as to see the sound card on my desktop, but I can not get any audio to
> pass to my laptop.
>
> Is there anyone that can help with this?
>
> Also is this what people are doing for remote operation of quisk? The
> desktop sharing seems to control things just fine. I just need audio.
>
> Thank you,
> Bob/N1XBM
>
>
>
>

2139. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-23 20:32:01 UTC
From: n1xbm@...
Topic: 2131 Message: 2139

Eric, It sort of does...I have a lot of questions. At the moment I'm able to load a mp3 on the same computer running quisk and hear that audio on my remote laptop. At the moment I am having these issues.

1. I can not stream audio to my laptop, So far I am only using the gui in ubuntu to play with pulse audio paprefs and pavucontrol.

2. I have mirror images on my waterfall.

3. I used the ensemable 2 sample file that came with quisk. I didn't change anything and things are kinda sorta working. I went to look the file and there is a # in front of everything. Its my understanding in linux that the line is commented out and ignored, but things are obviously working a little bit.

2140. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 00:44:31 UTC
From: Eric Thornton
Topic: 2131 Message: 2140

Bob,

Sorry, I was trying to run out the door to work and didn't fully read the email chain.

If you want to stream to your laptop, you want the laptop "sink" to appear on your desktop which is running quisk. You can use the paprefs app on your laptop to share the sink, and then use paprefs on the desktop to enable it.

laptop - paprefs, Network Server tab, check "enable network access to local sound devices"
desktop - paprefs, Network access, check "make discoverable network devices availiable locally"

desktop - Quisk, config, "your radio", sound, and change sound device to your laptop device for the stream called "Radio Audio Output". The remote device on your laptop probably has the word "tunnel" somewhere in the name.

One problem you may run into....

The "tunnel" protocol that pulseaudio uses has a lot of overhead and doesn't handle network latency well. I tried everything I could to get it to work reliably but eventually I gave up and rewrote the Quisk pulseaudio backend. This allowed the option to connect to a remote pulseaudio server directly, without using a tunnel. It also allowed some fine tuning of the stream settings to prevent latency from building due to network or CPU lag. If you don't get satisfactory results, I can help you try that route. I originally wrote it so that the raspberry pi hooked to my Softrock could simply stream the IQ audio to may laptop, which does the number crunching. What are the specs on the laptop? I've had Quisk running on an old Dell Inspiron circa 2005 with no issues on Ubuntu 14.04. And I'm streaming 2 channel 96khz @16bits over wifi.

Eric
ww4et

On Wed, Mar 23, 2016 at 4:32 PM, n1xbm@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Eric, It sort of does...I have a lot of questions. At the moment I'm able
> to load a mp3 on the same computer running quisk and hear that audio on my
> remote laptop. At the moment I am having these issues.
>
> 1. I can not stream audio to my laptop, So far I am only using the gui in

> ubuntu to play with pulse audio paprefs and pavucontrol.
>
> 2. I have mirror images on my waterfall.
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> 3. I used the ensemable 2 sample file that came with quisk. I didn't
> change anything and things are kinda sorta working. I went to look the file
> and there is a # in front of everything. Its my understanding in linux that
> the line is commented out and ignored, but things are obviously working a
> little bit.
>
>

2141. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 00:46:52 UTC
From: Sid Boyce
Topic: 2131 Message: 2141

In ~/quisk_settings.json for Hermes-Lite on Ubuntu 14.04 ODROID-U3.
"lin_name_of_sound_play":
"pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",
"lin_microphone_name":
"pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",

~/quisk_settings for HiQSDR standalone running Ubuntu 14.04 on a
Raspberry Pi 2 with a USB sound dongle for driving a 4W amp/Speaker and Mic.
"lin_name_of_sound_play":
"pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-stereo",
"lin_microphone_name":
"pulse:alsa_input.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-mono",

I had quisk with pulseaudio running on Ubuntu 16.04 64-bit on the
ODROID-C2 with HDMI sound and a USB sound card for Mic until the microSD
card corruptions saga and I am about to fire it up again now everything
is OK running from the eMMC.
73 ... Sid.

On 23/03/16 02:13, Robert Newberry n1xbm@... [n2adr-sdr] wrote:
>
> Ok some success!
>
> I got the pulse server working. I was streaming an mp3 using rythmbox
> on desktop to my laptop great!
>
> I got quisk running on my desktop and have local audio at the desktop.
>
> When I look pavucontrol I do not see the audio source, like I did when
> I was playing an mp3.
>
> I see there are settings in quisk for a pulse server. I also assume I
> must have to route the audio so pulse can see it.
>
> Anyone ever done this before?
>
> BTW the links posted at the start of thr topic got me this far. Thank you!
>
> N1XBM
> Apparare Scientor
> Paratus Communicare
> Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657
> ? ? ?
>
>
--

Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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2142. RE: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 01:05:32 UTC
From: MIKE DURKIN
Topic: 2131 Message: 2142

Your still using a hermis lite? not a IQ

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 24 Mar 2016 00:46:52 +0000
> Subject: Re: [n2adr-sdr] remote audio
>
> In ~/quisk_settings.json for Hermes-Lite on Ubuntu 14.04 ODROID-U3.
> "lin_name_of_sound_play":
> "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",
> "lin_microphone_name":
> "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",
>
>
> ~/quisk_settings for HiQSDR standalone running Ubuntu 14.04 on a
> Raspberry Pi 2 with a USB sound dongle for driving a 4W amp/Speaker and Mic.
> "lin_name_of_sound_play":
> "pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-stereo",
> "lin_microphone_name":
> "pulse:alsa_input.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-mono",
>
>
> I had quisk with pulseaudio running on Ubuntu 16.04 64-bit on the
> ODROID-C2 with HDMI sound and a USB sound card for Mic until the microSD
> card corruptions saga and I am about to fire it up again now everything
> is OK running from the eMMC.
> 73 ... Sid.
>
> On 23/03/16 02:13, Robert Newberry n1xbm@... [n2adr-sdr] wrote:
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> >
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> Yahoo Groups Links
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2143. RE: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 02:38:14 UTC
From: Robert Newberry
Topic: 2131 Message: 2143

Eric,

Lots of good information.

OK I got things working better, I've abandoned streaming audio until things work locally. I'm having a nagging issue I can not figure out.

On 80m I checked CHU on 3330. It's spot on, but I also see CHU on 3300, which I know isn't right.

On SSB everything works like it should but I'm having the same problem, mirrored signals

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Mar 23, 2016 9:05 PM, "MIKE DURKIN Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Your still using a hermis lite? not a IQ
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 24 Mar 2016 00:46:52 +0000
> > Subject: Re: [n2adr-sdr] remote audio
> >
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> > ~/quisk_settings for HiQSDR standalone running Ubuntu 14.04 on a
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> > "lin_microphone_name":
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> > I had quisk with pulseaudio running on Ubuntu 16.04 64-bit on the
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2144. RE: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 03:05:52 UTC
From: MIKE DURKIN
Topic: 2131 Message: 2144

What soundcard are you using ?
Perhapse it has an audio channel delay ?

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Wed, 23 Mar 2016 22:38:14 -0400
Subject: RE: [n2adr-sdr] remote audio

Eric,
Lots of good information.
OK I got things working better, I've abandoned streaming audio until things work locally.
I'm having a nagging issue I can not figure out.
On 80m I checked CHU on 3330. It's spot on, but I also see CHU on 3300, which I know isn't right.
On SSB everything works like it should but I'm having the same problem, mirrored signals
N1XBM

Apparare Scientor

Paratus Communicare

Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Mar 23, 2016 9:05 PM, "MIKE DURKIN Patriot121@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:

Your still using a hermis lite? not a IQ

> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 24 Mar 2016 00:46:52 +0000
> Subject: Re: [n2adr-sdr] remote audio
>
> In ~/quisk_settings.json for Hermes-Lite on Ubuntu 14.04 ODROID-U3.
> "lin_name_of_sound_play":
> "pulse:alsa_output.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",
> "lin_microphone_name":
> "pulse:alsa_input.usb-0d8c_USB_Sound_Device-00-Device.analog-stereo",
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>
> ~/quisk_settings for HiQSDR standalone running Ubuntu 14.04 on a
> Raspberry Pi 2 with a USB sound dongle for driving a 4W amp/Speaker and Mic.
> "lin_name_of_sound_play":
> "pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-stereo",
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2145. Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-24 05:21:00 UTC
From: James Bennett
Topic: 2145 Message: 2145

OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.

I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.

In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.

Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!

Any hints would be appreciated.

Jim Bennett / W6JHB
Folsom, CA

2146. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-24 05:59:12 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2146

you don't have the audio routing done right ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Wed, 23 Mar 2016 22:21:00 -0700
Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem

OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.

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Any hints would be appreciated.

Jim Bennett / W6JHB

Folsom, CA

2147. RE: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 10:44:25 UTC
From: Robert Newberry
Topic: 2131 Message: 2147

It is a Sound Blaster Live! In ubuntu it also says sb0228.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2148. Re: [n2adr-sdr] remote audio

Yahoo group: n2adr-sdr
Date: 2016-03-24 12:53:50 UTC
From: Sid Boyce
Topic: 2131 Message: 2148

Yep - Hermes-Lite and HiQSDR .... so only 1 sound card needed.
On the ODROID-C2 HDMI audio works so I use it for speaker output for
Hermes-Lite, speakers are included in the 7 inch touchscreen and I use
the USB sound card for Microphone.

The touchscreen on the Pi 2 does not have HDMI sound so I use a USB
dongle for both Mic and driving a 4W amp for sound output from the HiQSDR.
73 ... Sid.

On 24/03/16 01:05, MIKE DURKIN Patriot121@... [n2adr-sdr] wrote:
>
> Your still using a hermis lite? not a IQ
>
> > To: n2adr-sdr@yahoogroups.com
> > From: n2adr-sdr@yahoogroups.com
> > Date: Thu, 24 Mar 2016 00:46:52 +0000
> > Subject: Re: [n2adr-sdr] remote audio
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> >
> > ~/quisk_settings for HiQSDR standalone running Ubuntu 14.04 on a
> > Raspberry Pi 2 with a USB sound dongle for driving a 4W amp/Speaker
> and Mic.
> > "lin_name_of_sound_play":
> >
> "pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-stereo",
> > "lin_microphone_name":
> >
> "pulse:alsa_input.usb-C-Media_Electronics_Inc._USB_PnP_Sound_Device-00.analog-mono",
>
> >
> >
> > I had quisk with pulseaudio running on Ubuntu 16.04 64-bit on the
> > ODROID-C2 with HDMI sound and a USB sound card for Mic until the
> microSD
> > card corruptions saga and I am about to fire it up again now everything
> > is OK running from the eMMC.
> > 73 ... Sid.
> >
> > On 23/03/16 02:13, Robert Newberry n1xbm@... [n2adr-sdr] wrote:

> > >
> > > Ok some success!
> > >
> > > I got the pulse server working. I was streaming an mp3 using rythmbox
> > > on desktop to my laptop great!
> > >
> > > I got quisk running on my desktop and have local audio at the desktop.
> > >
> > > When I look pavucontrol I do not see the audio source, like I did
> when
> > > I was playing an mp3.
> > >
> > > I see there are settings in quisk for a pulse server. I also assume I
> > > must have to route the audio so pulse can see it.
> > >
> > > Anyone ever done this before?
> > >
> > > BTW the links posted at the start of thr topic got me this far.
> Thank you!
> > >
> > > N1XBM
> > > Apparare Scientor
> > > Paratus Communicare
> > > Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657
> > > ? ? ?
> > >
> > >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> >
> > Yahoo Groups Links
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Senior Staff Specialist, Cricket Coach

Microsoft Windows Free Zone - Linux used for all Computing Tasks

2149. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-24 18:33:35 UTC
From: James Bennett
Topic: 2145 Message: 2149

> you don't have the audio routing done right ....

Probably (maybe) but it isn’t obvious to me.

On Quisk I have the Digital Input and Digital Output both set to hw:3,0 and that’s what the Quisk doc sez. Over in FLDIGI, in the Configure—>Sound Card—>Audio—>Devices, I have both Capture and Playback set to hw:3,1.

Doesn’t seem logical to me, but this is the way the documentation sez to set it up. As I said in my original post, FLDIGI and WSJT-X can both receive and decode signals very well. Rig control works on both applications (frequency changes and T/R switching). I just don’t get either one to make the OmniaSDR send any output. I’m using two ways to see that: a second receiver (Elecraft K3) and a watt meter that has scales of 0-100 W, 0-1 W, and 0-100mw. When set at the mw level the needed never moves, so for sure no RF is coming out.\

If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.

What else can be wrong??

Jim

> On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> you don't have the audio routing done right ....
>
> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.
>
> I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.
>
> In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.
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> Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!
>
> Any hints would be appreciated.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
>

2150. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-24 20:53:19 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2150

set the digital program to Tx tune ....

then use pavucontrol and to see the levels between programs and see if the audio from wsjt-x is going where you want it to ....

the path is NOT static, when wsjt-x quits Txing, the Tx audio thread disappears ...

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 24 Mar 2016 11:33:35 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

you don't have the audio routing done right ....

Probably (maybe) but it isn’t obvious to me.
On Quisk I have the Digital Input and Digital Output both set to hw:3,0 and that’s what the Quisk doc sez. Over in FLDIGI, in the Configure—>Sound Card—>Audio—>Devices, I have both Capture and Playback set to hw:3,1.
Doesn’t seem logical to me, but this is the way the documentation sez to set it up. As I said in my original post, FLDIGI and WSJT-X can both receive and decode signals very well. Rig control works on both applications (frequency changes and T/R switching). I just don’t get either one to make the OmniaSDR send any output. I’m using two ways to see that: a second receiver (Elecraft K3) and a watt meter that has scales of 0-100 W, 0-1 W, and 0-100mw. When set at the mw level the needed never moves, so for sure no RF is coming out.\
If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.
What else can be wrong??
Jim

On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:you don't have the audio routing done right ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@...m
Date: Wed, 23 Mar 2016 22:21:00 -0700
Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem

OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.

I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.

In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.

Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!

Any hints would be appreciated.

Jim Bennett / W6JHB
Folsom, CA

2151. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-25 01:12:26 UTC
From: James Bennett
Topic: 2145 Message: 2151

Mike,

Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.

On a recommendation from Bill G4WJS from the WSJTX development team, I changed WSJTX output to go to the default / system output: the speakers on my monitor. Doing that produces a nice clean tone when I press the Tune button. So, WSJTX is sending a tone signal out the door, but Quisk doesn't seem to be hearing it, or does not want to send it to the radio. It sends the stuff from the radio over to WSJTX and FLDIGI, but not the other way.

Wonder what else in Quisk needs changing?

Very strange.

Jim

> On Thursday, Mar 24, 2016, at Thursday, 1:53 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> set the digital program to Tx tune ....
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> then use pavucontrol and to see the levels between programs and see if the audio from wsjt-x is going where you want it to ....
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> the path is NOT static, when wsjt-x quits Txing, the Tx audio thread disappears ...
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> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 24 Mar 2016 11:33:35 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>
> you don't have the audio routing done right ....
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> Probably (maybe) but it isn't obvious to me.
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said in my original post, FLDIGI and WSJT-X can both receive and decode signals very well. Rig control works on both applications (frequency changes and T/R switching). I just don’t get either one to make the OmniaSDR send any output. I’m using two ways to see that: a second receiver (Elecraft K3) and a watt meter that has scales of 0-100 W, 0-1 W, and 0-100mw. When set at the mw level the needed never moves, so for sure no RF is coming out.\
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> What else can be wrong??
>
> Jim
>
>
> On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... <mailto:Patriot121@msn.com> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>
> you don't have the audio routing done right ....
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> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>
> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.
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> Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!
>
> Any hints would be appreciated.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
>

>
>
>

2152. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-25 02:12:50 UTC
From: <Patriot121@...>
Topic: 2145 Message: 2152

Thought you were running latest version of quisk ....

Sent from Outlook Mobile

On Thu, Mar 24, 2016 at 6:12 PM -0700, "James Bennett w6jhb@me.com [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Mike,

Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.

On a recommendation from Bill G4WJS from the WSJTX development team, I changed WSJTX output to go to the default / system output: the speakers on my monitor. Doing that produces a nice clean tone when I press the Tune button. So, WSJTX is sending a tone signal out the door, but Quisk doesn’t seem to be hearing it, or does not want to send it to the radio. It sends the stuff from the radio over to WSJTX and FLDIGI, but not the other way.

Wonder what else in Quisk needs changing?

Very strange.

Jim

> On Thursday, Mar 24, 2016, at Thursday, 1:53 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> set the digital program to Tx tune ....
>
> then use pavucontrol and to see the levels between programs and see if the audio from wsjt-x is going where you want it to ....
>
> the path is NOT static, when wsjt-x quits Txing, the Tx audio thread disappears ...
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> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Thu, 24 Mar 2016 11:33:35 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>
>
> you don't have the audio routing done right ....
>
>
> Probably (maybe) but it isn’t obvious to me.

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>
> If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.
>
> What else can be wrong??
>
> Jim
>
>
> On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> you don't have the audio routing done right ....
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> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.
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> Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!

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> Any hints would be appreciated.
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> Jim Bennett / W6JHB
> Folsom, CA
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2153. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-25 02:19:26 UTC
From: James Bennett
Topic: 2145 Message: 2153

Running 4.0.4

> On Thursday, Mar 24, 2016, at Thursday, 7:12 PM, Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Thought you were running latest version of quisk ....
>
> Sent from Outlook Mobile <https://aka.ms/blhgte>
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> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> Mike,
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> Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.
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> On a recommendation from Bill G4WJS from the WSJTX development team, I changed WSJTX output to go to the default / system output: the speakers on my monitor. Doing that produces a nice clean tone when I press the Tune button. So, WSJTX is sending a tone signal out the door, but Quisk doesn’t seem to be hearing it, or does not want to send it to the radio. It sends the stuff from the radio over to WSJTX and FLDIGI, but not the other way.
>
> Wonder what else in Quisk needs changing?
>
> Very strange.
>
> Jim
>
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>> On Thursday, Mar 24, 2016, at Thursday, 1:53 PM, MIKE DURKIN Patriot121@... <mailto:Patriot121@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>> set the digital program to Tx tune ....
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>> then use pavucontrol and to see the levels between programs and see if the audio from wsjt-x is going where you want it to ....

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>> the path is NOT static, when wsjt-x quits Txing, the Tx audio thread disappears ...
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>> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
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2154. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-25 04:45:29 UTC
From: James Bennett
Topic: 2145 Message: 2154

I'm curious if ANYONE has been successful with Quisk 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as documented on the Quisk web site. Neither FLDIGI nor WSJTX are having their audio picked up by Quisk with the setup this way. Those two applications ARE sending the audio tones out as they should, because when I tell them to send to the HW:0 device it hits my speakers just fine.

I can put screen shots of my configurations up on the group's file section, if that will help.

This whole thing is soooo close to working; I can send CW from Quisk, I have FLDIGI and WSJTX reading and decoding signals very well. What the heck is up with the transmit part?

Jim Bennett / W6JHB
Folsom, CA

> On Mar 24, 2016, at 7:12 PM, Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Thought you were running latest version of quisk ....
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> Mike,
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> Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.
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>>
>> If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.
>>
>> What else can be wrong??
>>
>> Jim
>>
>>
>> On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>
>>
>> you don't have the audio routing done right ....
>>

>> To: n2adr-sdr@yahoogroups.com
>> From: n2adr-sdr@yahoogroups.com
>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>
>>
>> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.
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>> In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.
>>
>> Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!
>>
>> Any hints would be appreciated.
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>
>

2155. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-25 05:08:40 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2155

I have both working with Quisk 4.0.3 ....

I use snd-aloop as a link between quisk and fldigi/wsjt .. notsure if it is needed, but thats the way iv got it working ....

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Thu, 24 Mar 2016 21:45:29 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

I'm curious if ANYONE has been successful with Quisk 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as documented on the Quisk web site. Neither FLDIGI nor WSJTX are having their audio picked up by Quisk with the setup this way. Those two applications ARE sending the audio tones out as they should, because when I tell them to send to the HW:0 device it hits my speakers just fine.
I can put screen shots of my configurations up on the group's file section, if that will help.
This whole thing is soooo close to working; I can send CW from Quisk, I have FLDIGI and WSJTX reading and decoding signals very well. What the heck is up with the transmit part?

Jim Bennett / W6JHBFolsom, CA
On Mar 24, 2016, at 7:12 PM, Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Thought you were running latest version of quisk ....
Sent from Outlook Mobile

On Thu, Mar 24, 2016 at 6:12 PM -0700, "James Bennett w6jhb@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Mike,

Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.

On a recommendation from Bill G4WJS from the WSJTX development team, I changed WSJTX output to go to the default / system output: the speakers on my monitor. Doing that produces a nice clean tone when I press the Tune button. So, WSJTX is sending
a tone signal out the door, but Quisk doesn’t seem to be hearing it, or does not want to send it to the radio. It sends the stuff from the radio over to WSJTX and FLDIGI, but not the other way.

Wonder what else in Quisk needs changing?

Very strange.

Jim

On Thursday, Mar 24, 2016, at Thursday, 1:53 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

set the digital program to Tx tune ....

then use pavucontrol and to see the levels between programs and see if the audio from wsjt-x is going where you want it to ....

the path is NOT static, when wsjt-x quits Txing, the Tx audio thread disappears ...

To: n2adr-sdr@yahoogroups.com

From: n2adr-sdr@yahoogroups.com

Date: Thu, 24 Mar 2016 11:33:35 -0700

Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

you don't have the audio routing done right ....

Probably (maybe) but it isn’t obvious to me.

On Quisk I have the Digital Input and Digital Output both set to hw:3,0 and that’s what the Quisk doc sez. Over in FLDIGI, in the Configure—>Sound Card—>Audio—>Devices, I have both Capture and Playback set to hw:3,1.

Doesn’t seem logical to me, but this is the way the documentation sez to set it up. As I said in my original post, FLDIGI and WSJT-X can both receive and decode signals very well. Rig control works on both applications (frequency changes and T/R switching). I just don’t get either one to make the OmniaSDR send any output. I’m using two ways to see that: a second receiver (Elecraft K3) and a watt meter that has scales of 0-100 W, 0-1 W, and 0-100mw. When set at the mw level the needed never moves, so for sure no RF is coming out.\

If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.

What else can be wrong??

Jim

On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

you don't have the audio routing done right ....

To: n2adr-sdr@yahoogroups.com

From: n2adr-sdr@yahoogroups.com

Date: Wed, 23 Mar 2016 22:21:00 -0700

Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem

OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with
transmitting from either of those two digital applications.

I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.

In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.

Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal
out to my antenna!

Any hints would be appreciated.

Jim Bennett / W6JHB

Folsom, CA

2156. config on quisk

Yahoo group: n2adr-sdr
Date: 2016-03-27 19:31:00 UTC
From: Robert Newberry
Topic: 2156 Message: 2156

I am running quisk version 4.0.4 on ubuntu 14.04. As I understand I should be able to make changes in the config tab, but everything is grayed out and I can not change anything. I also have tried making changes to the file .quisk_conf.py and those changes appear to not do anything. Anyone know what I am doing wrong?

2157. Re: [n2adr-sdr] config on quisk

Yahoo group: n2adr-sdr
Date: 2016-03-27 20:26:46 UTC
From: <Patriot121@...>
Topic: 2156 Message: 2157

You need to add a new radio first ....

Sent from Outlook Mobile

On Sun, Mar 27, 2016 at 12:31 PM -0700, "Robert Newberry n1xbm@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

I am running quisk version 4.0.4 on ubuntu 14.04. As I understand I should be able to make changes in the config tab, but everything is grayed out and I can not change anything. I also have tried making changes to the file .quisk_conf.py and those changes appear to not do anything. Anyone know what I am doing wrong?

2158. Re: [n2adr-sdr] config on quisk

Yahoo group: n2adr-sdr
Date: 2016-03-27 21:21:16 UTC
From: Robert Newberry
Topic: 2156 Message: 2158

Thank you Patriot, I got poking around and was able to add my "softrock" I can not make changes to the config.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Mar 27, 2016 4:26 PM, "Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> You need to add a new radio first ....
>
> Sent from Outlook Mobile <https://aka.ms/blhgte>
>
>
>
> On Sun, Mar 27, 2016 at 12:31 PM -0700, "Robert Newberry n1xbm@...
> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
>
>
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> I am running quisk version 4.0.4 on ubuntu 14.04. As I understand I should
> be able to make changes in the config tab, but everything is grayed out and
> I can not change anything. I also have tried making changes to the file
> .quisk_conf.py and those changes appear to not do anything. Anyone know
> what I am doing wrong?
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2159. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-27 21:54:34 UTC
From: Eric Thornton
Topic: 2145 Message: 2159

To install pulseaudio, just type "sudo apt-get install pulseaudio". Do the same for "pavucontrol".

It should detect any alsa devices automatically. You will probably want to add a null sink as your wsjtx playback device and then use the nullsink.monitor stream for input to quisk.

This definitely sounds like an audio routing problem.

Eric
ww4et
On Mar 25, 2016 1:08 AM, "MIKE DURKIN Patriot121@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I have both working with Quisk 4.0.3 ....
>
>
> I use snd-aloop as a link between quisk and fldigi/wsjt .. notsure if it
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> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 24 Mar 2016 21:45:29 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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> I'm curious if ANYONE has been successful with Quisk 4.0.4 and FLDIGI
> and/or WSJTX? I'm doing it exactly as documented on the Quisk web site.
> Neither FLDIGI nor WSJTX are having their audio picked up by Quisk with the
> setup this way. Those two applications ARE sending the audio tones out as
> they should, because when I tell them to send to the HW:0 device it hits my
> speakers just fine.
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> section, if that will help.
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> This whole thing is soooo close to working; I can send CW from Quisk, I
> have FLDIGI and WSJTX reading and decoding signals very well. What the heck
> is up with the transmit part?
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> Folsom, CA
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> On Mar 24, 2016, at 7:12 PM, Patriot121@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
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> Thought you were running latest version of quisk ....
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> Sent from Outlook Mobile <https://aka.ms/blhgte>
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> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James Bennett w6jhb@...
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> Mike,
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> Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol
> only gives me the built-in audio output port on the RPI. When I run
> alsamixer, it shows all the ALSA devices, including the Loopback device.
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> On a recommendation from Bill G4WJS from the WSJTX development team, I
> changed WSJTX output to go to the default / system output: the speakers on
> my monitor. Doing that produces a nice clean tone when I press the Tune
> button. So, WSJTX is sending a tone signal out the door, but Quisk doesn’t
> seem to be hearing it, or does not want to send it to the radio. It sends
> the stuff from the radio over to WSJTX and FLDIGI, but not the other way.
>
> Wonder what else in Quisk needs changing?
>
> Very strange.
>
> Jim
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> On Thursday, Mar 24, 2016, at Thursday, 1:53 PM, MIKE DURKIN
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> set the digital program to Tx tune ....
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> then use pavucontrol and to see the levels between programs and see if the
> audio from wsjt-x is going where you want it to ....
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> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Thu, 24 Mar 2016 11:33:35 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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> you don't have the audio routing done right ....
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> sure no RF is coming out.\
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> If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w
> signal, so it for sure can transmit with Quisk.
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> What else can be wrong??
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> Jim
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> On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM, MIKE DURKIN
> Patriot121@msn.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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> To: n2adr-sdr@yahoogroups.com
> From: n2adr-sdr@yahoogroups.com
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
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> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3
> with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an

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> transmitting from either of those two digital applications.
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> I set up a Quisk Radio file per the online documentation where I am using
> XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R
> in FLDIGI, the radio goes into transmit mode, but no RF flows.
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> In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I
> get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI,
> pressing the Tune button in WSJT-X results in the radio going into transmit
> mode but no RF is generated.
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> Since both of those applications fail to generate a signal, I'm thinking I
> have something set wrong in Quisk, but I sure can't figure out where it is.
> As a side note, all aspects of rig control appear to work great in both
> applications - just can't get a signal out to my antenna!
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> Any hints would be appreciated.
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> Jim Bennett / W6JHB
> Folsom, CA
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>

2160. RE: [n2adr-sdr] config on quisk

Yahoo group: n2adr-sdr
Date: 2016-03-27 22:19:05 UTC
From: MIKE DURKIN
Topic: 2156 Message: 2160

then you need to set the new radio as the default apon startup .. then hit restart quisk .. then make your audio changes

To: n2adr-sdr@...m
From: n2adr-sdr@yahoogroups.com
Date: Sun, 27 Mar 2016 17:21:16 -0400
Subject: Re: [n2adr-sdr] config on quisk

Thank you Patriot, I got poking around and was able to add my "softrock" I can not make changes to the config.
N1XBM

Apparare Scientor

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Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

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Sent from Outlook Mobile

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those changes appear to not do anything. Anyone know what I am doing wrong?

2161. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 03:43:56 UTC
From: James Bennett
Topic: 2145 Message: 2161

Eric, Mike, et al - turns out that Pulseaudio IS already installed on the RPi - guess I was blind! I was hoping that I could use the ALSA loop back as described on the Quisk web page; I have it set per the documentation but no joy. So, it looks like I've got to go with Pulseaudio. I "think" I have a null sink set up and will attempt to get Quisk and WSJTX to speak to each other that way. It's a struggle for me, as I'm most certainly a Linux rookie, but I'm learning (slowly!).

Jim Bennett / W6JHB
Folsom, CA

> On Mar 27, 2016, at 2:54 PM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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> To install pulseaudio, just type "sudo apt-get install pulseaudio". Do the same for "pavucontrol".
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>> To: n2adr-sdr@yahoogroups.com
>> From: n2adr-sdr@yahoogroups.com
>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>> you don't have the audio routing done right ....
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>> To: n2adr-sdr@yahoogroups.com
>> From: n2adr-sdr@yahoogroups.com
>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>> Jim Bennett / W6JHB
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2162. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 05:15:49 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2162

you should be able to use the snd-aloop ... i do .... between quisk and wsjt

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To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Sun, 27 Mar 2016 20:43:56 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

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ww4et

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Jim Bennett / W6JHB

Folsom, CA

2163. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 18:53:13 UTC
From: James Bennett
Topic: 2145 Message: 2163

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2164. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 19:03:09 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2164

I think that is something to do with the P2 ... not having quite enuff HP to do both ... least both waterfalls ...

Try closing the wsjt waterfall ...

The choppy is from not enough buffer /slash/ too much latency .... most latency being from the lack of GPU horses to do the lifting .... youll just need to increase adjust the Quisk values to see ....

I and a few others are going with the Odroid-C2 to get more performance ...
I hope that Jim will offer a 64bit version of his wonderful program ....

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From: James Bennett
Topic: 2145 Message: 2165

Just as an FYI, I'm using an RPi3 which has a bit more horsepower than the V2. But, perhaps that's still not enough….

To my newbie eyes, this entire latency thing appears to be due to having to use a loopback sink to get the audio tones back to Quisk from WSJTX. Why do I say this? Well, with the following settings in Quisk and WSJTX, receiving and decoding of WSPR2 signals works great. Very little latency, almost no choppiness in the audio to my headphones:

Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)

WSJTX audio Input = plughw:CARD=Loopback,DEV=1
audio output = plughw:CARD=Loopback,DEV=1

The above results in fine decoding, as I mentioned. But the audio tones are not making it back to the OmniaSDR wen I press the Tune button in WSJTX. Note that those selections are NOT the sink loopback that was suggested by Eric, WW4ET.

It sure seems that there ought to be some setting between these two applications that would make the audio flow to Quisk for transmit. If we can't figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel for receiving and transmit on an RPi3 simply isn't gonna happen., and I'll be relegated to having a receive-only WSPR setup.

Any other ideas on this to avoid that latency-prone sink approach?

> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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> I think that is something to do with the P2 ... not having quite enuff HP to do both ... least both waterfalls ...
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> Try closing the wsjt waterfall ...
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> I and a few others are going with the Odroid-C2 to get more performance ...
> I hope that Jim will offer a 64bit version of his wonderful program ....
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> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Mon, 28 Mar 2016 11:53:13 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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> Gentlemen - we have ignition and liftoff! Sort of.
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> I added a null sink and then put them into Quisk and WSJT-X. Lo and behold, I can now receive and send WSPR2. That was the good news. The bad news is that there is a pretty large latency issue on the receive end. I'll do some reading and maybe play around with Quisk settings to see if there are any tweaks I can make to fix this. Before adding the sink to Quisk there was almost no latency issue being reported. Now it is pretty bad - I can hear really choppy audio in my headphones.
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> Jim Bennett / W6JHB
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> On Mar 27, 2016, at 2:54 PM, Eric Thornton ewthornton@... <mailto:ewthornton@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> Date: Thu, 24 Mar 2016 21:45:29 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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> On Quisk I have the Digital Input and Digital Output both set to hw:3,0 and that’s what the Quisk doc sez. Over in FLDIGI, in the Configure—>Sound Card—>Audio—>Devices, I have both Capture and Playback set to hw:3,1.
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> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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> OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital

applications.
>
> I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.
>
> In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.
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> Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!
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> Any hints would be appreciated.
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2166. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 23:16:56 UTC
From: Sid Boyce
Topic: 2145 Message: 2166

The Pi 2 kernel already comes with the snd-aloop module - "sudo modprobe snd-aloop".
Depending on the platform you build it on, quisk is 32-bit or 64-bit.

```
root@hiqsdr-desktop:~# modinfo snd-aloop
filename: /lib/modules/4.1.15-v7+/kernel/sound/drivers/snd-aloop.ko
license: GPL
description: A loopback soundcard
author: Jaroslav Kysela <perex@...>
srcversion: 65034E42B02FA4FF82BC79B
depends: snd-pcm,snd
intree: Y
vermagic: 4.1.15-v7+ SMP mod_unload modversions ARMv7
parm: index:Index value for loopback soundcard. (array of int)
parm: id:ID string for loopback soundcard. (array of charp)
parm: enable:Enable this loopback soundcard. (array of bool)
parm: pcm_substreams:PCM substreams # (1-8) for loopback
driver. (array of int)
parm: pcm_notify:Break capture when PCM format/rate/channels
changes. (array of int)
root@hiqsdr-desktop:~#

root@odroid64:/opt/quisk-4.0.4# file _quisk.so
_quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=3a0c823059638bc8889ad05bb1512095e62f6248, not stripped
root@odroid64:/opt/quisk-4.0.4#
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73 ... Sid.

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2167. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 23:30:21 UTC
From: Sid Boyce
Topic: 2145 Message: 2167

Why not run wsjtx standalone?

When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
before Jim wrote up how to use them with quisk.
73 ... Sid.

On 29/03/16 00:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Just as an FYI, I?m using an RPi3 which has a bit more horsepower than
> the V2. But, perhaps that?s still not enough?.
>
>
> To my newbie eyes, this entire latency thing appears to be due to
> having to use a loopback sink to get the audio tones back to Quisk
> from WSJTX. Why do I say this? Well, with the following settings in
> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
> Very little latency, almost no choppiness in the audio to my headphones:
>
> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>
> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
> audio output = plughw:CARD=Loopback,DEV=1
>
> The above results in fine decoding, as I mentioned. But the audio
> tones are not making it back to the OmniaSDR wen I press the Tune
> button in WSJTX. Note that those selections are NOT the sink loopback
> that was suggested by Eric, WW4ET.
>
> It sure seems that there ought to be some setting between these two
> applications that would make the audio flow to Quisk for transmit. If
> we can?t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
> for receiving and transmit on an RPi3 simply isn?t gonna happen., and
> I?ll be relegated to having a receive-only WSPR setup.
>
> Any other ideas on this to avoid that latency-prone sink approach?
>
>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>> Patriot121@... <mailto:Patriot121@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> I think that is something to do with the P2 ... not having quite
>> enuff HP to do both ... least both waterfalls ...
>>

>> Try closing the wsjt waterfall ...
>>
>> The choppy is from not enough buffer /slash/ too much latency ....
>> most latency being from the lack of GPU horses to do the lifting ....
>> youll just need to increase adjust the Quisk values to see ....
>>
>> I and a few others are going with the Odroid-C2 to get more
>> performance ...
>> I hope that Jim will offer a 64bit version of his wonderful program ....
>>
>> ---
>> To:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
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>> Gentlemen - we have ignition and liftoff! Sort of.
>>
>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>> behold, I can now receive and send WSPR2. That was the good news. The
>> bad news is that there is a pretty large latency issue on the receive
>> end. I?ll do some reading and maybe play around with Quisk settings
>> to see if there are any tweaks I can make to fix this. Before adding
>> the sink to Quisk there was almost no latency issue being reported.
>> Now it is pretty bad - I can hear really choppy audio in my headphones.
>>
>> Any suggestions?
>>
>> Tnx, Jim / W6JHB
>>
>>
>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>> DURKINPatriot121@... <mailto:Patriot121@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> you should be able to use the snd-aloop ... i do .... between
>> quisk and wsjt
>>
>> I had to rebuild my kernel to enable it ....
>> Least that's what Sid had me do some time ago ...
>>
>>
>> with quisk running, and with quisk using the digital ssb/FM
>> button not greyed out ... and quisk audio set to the loopback
>> sink for digital .... put wsjt into tune mode, move its power
>> slider to max, then check pavucontrol playback tab and see if
>> there is a qt-blah-blah sound thread .... make sure that this is
>> set to the snd-aloop ....
>>

>> stop wsjt tune and the playback thread should disappear (it is
>> not static and will not remain)
>>
>> The qt-blah-blah-blah thread under the recording tab should point
>> to the snd-aloopMonitor
>>
>> This is what i remember as how i got it to work on my Odroid-x2
>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>> the mail.
>>
>>
>>
>> --
>> To:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>
>>
>> Eric, Mike, et al - turns out that Pulseaudio IS already
>> installed on the RPi - guess I was blind! I was hoping that I
>> could use the ALSA loop back as described on the Quisk web page;
>> I have it set per the documentation but no joy. So, it looks like
>> I've got to go with Pulseaudio. I "think" I have a null sink set
>> up and will attempt to get Quisk and WSJTX to speak to each other
>> that way. It's a struggle for me, as I'm most certainly a Linux
>> rookie, but I'm learning (slowly!).
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
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>> On Mar 27, 2016, at 2:54 PM, Eric Thorntonewthornton@...
>> <mailto:ewthornton@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> To install pulseaudio, just type "sudo apt-get install
>> pulseaudio". Do the same for "pavucontrol".
>>
>> It should detect any alsa devices automatically. You will
>> probably want to add a null sink as your wsjtx playback
>> device and then use the nullsink.monitor stream for input to
>> quisk.
>>
>> This definitely sounds like an audio routing problem.
>>
>> Eric
>> ww4et
>>

>> On Mar 25, 2016 1:08 AM, "MIKE DURKINPatriot121@...
>> <mailto:Patriot121@...>[n2adr-sdr]"
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>
>> I have both working with Quisk 4.0.3 ....
>>
>>
>> I use snd-aloop as a link between quisk and fldigi/wsjt
>> .. notsure if it is needed, but thats the way iv got it
>> working ....
>>
>>
>>
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>> To:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>
>>
>> I'm curious if ANYONE has been successful with Quisk
>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>> documented on the Quisk web site. Neither FLDIGI nor
>> WSJTX are having their audio picked up by Quisk with the
>> setup this way. Those two applications ARE sending the
>> audio tones out as they should, because when I tell them
>> to send to the HW:0 device it hits my speakers just fine.
>>
>> I can put screen shots of my configurations up on the
>> group's file section, if that will help.
>>
>> This whole thing is soooo close to working; I can send CW
>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>> signals very well. What the heck is up with the transmit
>> part?
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>> On Mar 24, 2016, at 7:12 PM,Patriot121@...
>> <mailto:Patriot121@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> Thought you were running latest version of quisk ....

>>
>> Sent fromOutlook Mobile <https://aka.ms/blhgte>
>>
>>
>>
>>
>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>> Bennettw6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>
>> Mike,
>>
>> Everything on this RPi appears to be ALSA, not Pulse.
>> Running pavucontrol only gives me the built-in audio
>> output port on the RPI. When I run alsamixer, it
>> shows all the ALSA devices, including the Loopback
>> device.
>>
>> On a recommendation from Bill G4WJS from the WSJTX
>> development team, I changed WSJTX output to go to the
>> default / system output: the speakers on my monitor.
>> Doing that produces a nice clean tone when I press
>> the Tune button. So, WSJTX is sending a tone signal
>> out the door, but Quisk doesn?t seem to be hearing
>> it, or does not want to send it to the radio. It
>> sends the stuff from the radio over to WSJTX and
>> FLDIGI, but not the other way.
>>
>> Wonder what else in Quisk needs changing?
>>
>> Very strange.
>>
>> Jim
>>
>>
>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>> PM, MIKE DURKINPatriot121@...
>> <mailto:Patriot121@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> set the digital program to Tx tune ....
>>
>> then use pavucontrol and to see the levels
>> between programs and see if the audio from wsjt-x
>> is going where you want it to ....
>>
>> the path is NOT static, when wsjt-x quits Txing,

>> the Tx audio thread disappears ...
>>
>> ---
>> To:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>> Problem
>>
>>
>> you don't have the audio routing done right ....
>>
>>
>>
>> Probably (maybe) but it isn?t obvious to me.
>>
>> On Quisk I have the Digital Input and Digital
>> Output both set to hw:3,0 and that?s what the
>> Quisk doc sez. Over in FLDIGI, in the
>> Configure?>Sound Card?>Audio?>Devices, I have
>> both Capture and Playback set to hw:3,1.
>>
>> Doesn?t seem logical to me, but this is the way
>> the documentation sez to set it up. As I said in
>> my original post, FLDIGI and WSJT-X can both
>> receive and decode signals very well. Rig control
>> works on both applications (frequency changes and
>> T/R switching). I just don?t get either one to
>> make the OmniaSDR send any output. I?m using two
>> ways to see that: a second receiver (Elecraft K3)
>> and a watt meter that has scales of 0-100 W, 0-1
>> W, and 0-100mw. When set at the mw level the
>> needed never moves, so for sure no RF is coming out.\
>>
>> If I set the OmniaSDR up for CW, it works just
>> fine and produces a nice 1w signal, so it for
>> sure can transmit with Quisk.
>>
>> What else can be wrong??
>>
>> Jim
>>
>>
>> On Wednesday, Mar 23, 2016, at Wednesday,
>> 10:59 PM, MIKE DURKINPatriot121@...
>> <mailto:Patriot121@...>[n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:

>>
>>
>> you don't have the audio routing done right ....
>>
>> ---
>> To:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> From:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>
>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>> Problem
>>
>> OK guys, need some help here. I am running
>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>> My radio is an OmniaSDR. Quisk works great
>> for me in CW mode by itself. My problem is
>> with transmitting from either of those two
>> digital applications.
>>
>> I set up a Quisk Radio file per the online
>> documentation where I am using XML-RPC in
>> FLDIGI. I get decodes in PSK31 with no
>> problem. If I press T/R in FLDIGI, the radio
>> goes into transmit mode, but no RF flows.
>>
>> In WSJT-X, I have it set up to use hamlib per
>> the QUISK instructions. I get really great
>> decodes in JT65, JT9, and WSPR-2. But, like
>> with FLDIGI, pressing the Tune button in
>> WSJT-X results in the radio going into
>> transmit mode but no RF is generated.
>>
>> Since both of those applications fail to
>> generate a signal, I'm thinking I have
>> something set wrong in Quisk, but I sure
>> can't figure out where it is. As a side note,
>> all aspects of rig control appear to work
>> great in both applications - just can't get a
>> signal out to my antenna!
>>
>> Any hints would be appreciated.
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2168. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-28 23:41:15 UTC
From: James Bennett
Topic: 2145 Message: 2168

Oh, but I wish i could do that!!!! When I was using my SoftRock Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from Wheezy to Jessie, put in a new RPi3 and opted to install the full WSJT-X, so that I might try out JT65 and JT9 with the RPi. Unfortunately, the version of Hamlib that I've gotten does not have an entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of thing. So, after several email exchanges with folks in this Yahoo group and the Omnia Yahoo group, I reluctantly went the rout of having Quisk as the intermediary between the SDR and WSJT. Not fun.

I would LOVE to figure out how to avoid this, as it has cost me untold hours of grief and I am still not at the point where it is working satisfactorily.

Sid - any help you may be in getting my 1.7.0-devel version of WSJTX to work w/o going through Quisk would be greatly appreciated.

p.s. - I have no beef with Quisk - it is a great piece of software and I do enjoy using it for QRPp CW contacts…

Jim / W6JHB

> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Why not run wsjtx standalone?
>
> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
> before Jim wrote up how to use them with quisk.
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>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
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>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
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>> The above results in fine decoding, as I mentioned. But the audio
>> tones are not making it back to the OmniaSDR wen I press the Tune
>> button in WSJTX. Note that those selections are NOT the sink loopback
>> that was suggested by Eric, WW4ET.
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>>> the sink to Quisk there was almost no latency issue being reported.

>>> Now it is pretty bad - I can hear really choppy audio in my headphones.
>>>
>>> Any suggestions?
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>>> Tnx, Jim / W6JHB
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>>>
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>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
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>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>
>>>
>>> Thought you were running latest version of quisk ....
>>>
>>> Sent fromOutlook Mobile <https://aka.ms/blhgte <https://aka.ms/blhgte>>
>>>
>>>
>>>
>>>
>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>> Bennettw6jhb@...m <mailto:Bennettw6jhb@...>
>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>wrote:
>>>
>>> Mike,
>>>
>>> Everything on this RPi appears to be ALSA, not Pulse.
>>> Running pavucontrol only gives me the built-in audio
>>> output port on the RPI. When I run alsamixer, it
>>> shows all the ALSA devices, including the Loopback

>>> device.
>>>
>>> On a recommendation from Bill G4WJS from the WSJTX
>>> development team, I changed WSJTX output to go to the
>>> default / system output: the speakers on my monitor.
>>> Doing that produces a nice clean tone when I press
>>> the Tune button. So, WSJTX is sending a tone signal
>>> out the door, but Quisk doesn't seem to be hearing
>>> it, or does not want to send it to the radio. It
>>> sends the stuff from the radio over to WSJTX and
>>> FLDIGI, but not the other way.
>>>
>>> Wonder what else in Quisk needs changing?
>>>
>>> Very strange.
>>>
>>> Jim
>>>
>>>
>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>> PM, MIKE DURKINPatriot121@... <mailto:DURKINPatriot121@...>
>>> <mailto:Patriot121@msn.com <mailto:Patriot121@...>>[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>
>>>
>>> set the digital program to Tx tune ....
>>>
>>> then use pavucontrol and to see the levels
>>> between programs and see if the audio from wsjt-x
>>> is going where you want it to ....
>>>
>>> the path is NOT static, when wsjt-x quits Txing,
>>> the Tx audio thread disappears ...
>>>
>>> ---
>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>> Problem
>>>
>>>
>>> you don't have the audio routing done right ....
>>>
>>>
>>>
>>> Probably (maybe) but it isn't obvious to me.

>>>
>>> On Quisk I have the Digital Input and Digital
>>> Output both set to hw:3,0 and that’s what the
>>> Quisk doc sez. Over in FLDIGI, in the
>>> Configure—>Sound Card—>Audio—>Devices, I have
>>> both Capture and Playback set to hw:3,1.
>>>
>>> Doesn’t seem logical to me, but this is the way
>>> the documentation sez to set it up. As I said in
>>> my original post, FLDIGI and WSJT-X can both
>>> receive and decode signals very well. Rig control
>>> works on both applications (frequency changes and
>>> T/R switching). I just don’t get either one to
>>> make the OmniaSDR send any output. I’m using two
>>> ways to see that: a second receiver (Elecraft K3)
>>> and a watt meter that has scales of 0-100 W, 0-1
>>> W, and 0-100mw. When set at the mw level the
>>> needed never moves, so for sure no RF is coming out.\
>>>
>>> If I set the OmniaSDR up for CW, it works just
>>> fine and produces a nice 1w signal, so it for
>>> sure can transmit with Quisk.
>>>
>>> What else can be wrong??
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>>> Jim
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>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>> 10:59 PM, MIKE DURKINPatriot121@msn.com <mailto:DURKINPatriot121@...>
>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
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>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>> Problem
>>>
>>> OK guys, need some help here. I am running
>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>> My radio is an OmniaSDR. Quisk works great

>>> for me in CW mode by itself. My problem is
>>> with transmitting from either of those two
>>> digital applications.
>>>
>>> I set up a Quisk Radio file per the online
>>> documentation where I am using XML-RPC in
>>> FLDIGI. I get decodes in PSK31 with no
>>> problem. If I press T/R in FLDIGI, the radio
>>> goes into transmit mode, but no RF flows.
>>>
>>> In WSJT-X, I have it set up to use hamlib per
>>> the QUISK instructions. I get really great
>>> decodes in JT65, JT9, and WSPR-2. But, like
>>> with FLDIGI, pressing the Tune button in
>>> WSJT-X results in the radio going into
>>> transmit mode but no RF is generated.
>>>
>>> Since both of those applications fail to
>>> generate a signal, I'm thinking I have
>>> something set wrong in Quisk, but I sure
>>> can't figure out where it is. As a side note,
>>> all aspects of rig control appear to work
>>> great in both applications - just can't get a
>>> signal out to my antenna!
>>>
>>> Any hints would be appreciated.
>>>
>>> Jim Bennett / W6JHB
>>> Folsom, CA
>>>
>>>
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>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot

> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
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> Yahoo Groups Links
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2169. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-29 19:19:46 UTC
From: Eric Thornton
Topic: 2145 Message: 2169

When the audio is choppy, have a look at the audio device latency in the configure tab. The way quisks sound loop is programmed, if a device cannot playback samples due to cpu or network bandwidth it drops the samples in pulseaudio.

What are your playback latency and sample poll set to? Can't remember the exact names and I'm at work now. I keep my playback latency around 300ms and sample poll at 20000us. Keeps cpu load low while latency is still low enough for wsjtx.

Eric
On Mar 28, 2016 7:41 PM, "James Bennett w6jhb@me.com [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Oh, but I wish i could do that!!!! When I was using my SoftRock Ensemble
> RXTX on my RPi2, that is exactly what I was doing, but I was using the
> stand-alone WSPR2 software, not WSJT-X. So, I upgraded from Wheezy to
> Jessie, put in a new RPi3 and opted to install the full WSJT-X, so that I
> might try out JT65 and JT9 with the RPi. Unfortunately, the version of
> Hamlib that I’ve gotten does not have an entry in it for the OmniaSDR, or a
> Peaberry SDR, or any such sort of thing. So, after several email exchanges
> with folks in this Yahoo group and the Omnia Yahoo group, I reluctantly
> went the rout of having Quisk as the intermediary between the SDR and WSJT.
> Not fun.
>
> I would LOVE to figure out how to avoid this, as it has cost me untold
> hours of grief and I am still not at the point where it is working
> satisfactorily.
>
> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX to
> work w/o going through Quisk would be greatly appreciated.
>
> p.s. - I have no beef with Quisk - it is a great piece of software and I
> do enjoy using it for QRPp CW contacts…
>
> Jim / W6JHB
>
>
>
>
> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
> g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Why not run wsjtx standalone?

>
> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
> before Jim wrote up how to use them with quisk.
> 73 ... Sid.
>
> On 29/03/16 00:04, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
>
> Just as an FYI, I'm using an RPi3 which has a bit more horsepower than
> the V2. But, perhaps that's still not enough….
>
>
> To my newbie eyes, this entire latency thing appears to be due to
> having to use a loopback sink to get the audio tones back to Quisk
> from WSJTX. Why do I say this? Well, with the following settings in
> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
> Very little latency, almost no choppiness in the audio to my headphones:
>
> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>
> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
> audio output = plughw:CARD=Loopback,DEV=1
>
> The above results in fine decoding, as I mentioned. But the audio
> tones are not making it back to the OmniaSDR wen I press the Tune
> button in WSJTX. Note that those selections are NOT the sink loopback
> that was suggested by Eric, WW4ET.
>
> It sure seems that there ought to be some setting between these two
> applications that would make the audio flow to Quisk for transmit. If
> we can't figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
> for receiving and transmit on an RPi3 simply isn't gonna happen., and
> I'll be relegated to having a receive-only WSPR setup.
>
> Any other ideas on this to avoid that latency-prone sink approach?
>
> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
> Patriot121@... <mailto:Patriot121@... <Patriot121@msn.com>>
> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> I think that is something to do with the P2 ... not having quite
> enuff HP to do both ... least both waterfalls ...
>
> Try closing the wsjt waterfall ...
>
> The choppy is from not enough buffer /slash/ too much latency ....

> most latency being from the lack of GPU horses to do the lifting ....
> youll just need to increase adjust the Quisk values to see ....
>
> I and a few others are going with the Odroid-C2 to get more
> performance ...
> I hope that Jim will offer a 64bit version of his wonderful program ....
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> Date: Mon, 28 Mar 2016 11:53:13 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
> Gentlemen - we have ignition and liftoff! Sort of.
>
> I added a null sink and then put them into Quisk and WSJT-X. Lo and
> behold, I can now receive and send WSPR2. That was the good news. The
> bad news is that there is a pretty large latency issue on the receive
> end. I'll do some reading and maybe play around with Quisk settings
> to see if there are any tweaks I can make to fix this. Before adding
> the sink to Quisk there was almost no latency issue being reported.
> Now it is pretty bad - I can hear really choppy audio in my headphones.
>
> Any suggestions?
>
> Tnx, Jim / W6JHB
>
>
> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
> DURKINPatriot121@... <mailto:Patriot121@...
> <Patriot121@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> you should be able to use the snd-aloop ... i do .... between
> quisk and wsjt
>
> I had to rebuild my kernel to enable it ....
> Least that's what Sid had me do some time ago ...
>
>
> with quisk running, and with quisk using the digital ssb/FM
> button not greyed out ... and quisk audio set to the loopback
> sink for digital .... put wsjt into tune mode, move its power
> slider to max, then check pavucontrol playback tab and see if
> there is a qt-blah-blah sound thread .... make sure that this is
> set to the snd-aloop ....

>
> stop wsjt tune and the playback thread should disappear (it is
> not static and will not remain)
>
> The qt-blah-blah-blah thread under the recording tab should point
> to the snd-aloopMonitor
>
> This is what i remember as how i got it to work on my Odroid-x2
> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
> the mail.
>
>
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> Date: Sun, 27 Mar 2016 20:43:56 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> Eric, Mike, et al - turns out that Pulseaudio IS already
> installed on the RPi - guess I was blind! I was hoping that I
> could use the ALSA loop back as described on the Quisk web page;
> I have it set per the documentation but no joy. So, it looks like
> I've got to go with Pulseaudio. I "think" I have a null sink set
> up and will attempt to get Quisk and WSJTX to speak to each other
> that way. It's a struggle for me, as I'm most certainly a Linux
> rookie, but I'm learning (slowly!).
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Mar 27, 2016, at 2:54 PM, Eric Thorntonewthornton@...
> <mailto:ewthornton@... <ewthornton@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> To install pulseaudio, just type "sudo apt-get install
> pulseaudio". Do the same for "pavucontrol".
>
> It should detect any alsa devices automatically. You will
> probably want to add a null sink as your wsjtx playback
> device and then use the nullsink.monitor stream for input to
> quisk.
>
> This definitely sounds like an audio routing problem.

>
> Eric
> ww4et
>
> On Mar 25, 2016 1:08 AM, "MIKE DURKINPatriot121@...
> <mailto:Patriot121@... <Patriot121@...m>>[n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>>>
> wrote:
>
>
> I have both working with Quisk 4.0.3 ....
>
>
> I use snd-aloop as a link between quisk and fldigi/wsjt
> .. notsure if it is needed, but thats the way iv got it
> working ....
>
>
>
>
> ---
> To:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>>
> Date: Thu, 24 Mar 2016 21:45:29 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> I'm curious if ANYONE has been successful with Quisk
> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
> documented on the Quisk web site. Neither FLDIGI nor
> WSJTX are having their audio picked up by Quisk with the
> setup this way. Those two applications ARE sending the
> audio tones out as they should, because when I tell them
> to send to the HW:0 device it hits my speakers just fine.
>
> I can put screen shots of my configurations up on the
> group's file section, if that will help.
>
> This whole thing is soooo close to working; I can send CW
> from Quisk, I have FLDIGI and WSJTX reading and decoding
> signals very well. What the heck is up with the transmit
> part?
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Mar 24, 2016, at 7:12 PM,Patriot121@...

> <mailto:Patriot121@... <Patriot121@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com <n2adr-sdr@yahoogroups.com>>>
> wrote:
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> Sent fromOutlook Mobile <https://aka.ms/blhgte>
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> <mailto:w6jhb@... <w6jhb@...>>[n2adr-sdr]"<
> n2adr-sdr@yahoogroups.com
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> sends the stuff from the radio over to WSJTX and
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> <mailto:n2adr-sdr@yahoogroups.com
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> <mailto:n2adr-sdr@yahoogroups.com
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> From:n2adr-sdr@yahoogroups.com
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> <n2adr-sdr@yahoogroups.com>>
> Date: Thu, 24 Mar 2016 11:33:35 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
> Problem
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> <n2adr-sdr@yahoogroups.com>>> wrote:
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> <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com
> <n2adr-sdr@yahoogroups.com>>
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
> Problem
>
> OK guys, need some help here. I am running
> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
> My WSJT-X is version 1.7.0. Also have FLDIGI.
> My radio is an OmniaSDR. Quisk works great
> for me in CW mode by itself. My problem is
> with transmitting from either of those two
> digital applications.
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> I set up a Quisk Radio file per the online
> documentation where I am using XML-RPC in
> FLDIGI. I get decodes in PSK31 with no
> problem. If I press T/R in FLDIGI, the radio
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>
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> the QUISK instructions. I get really great
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> with FLDIGI, pressing the Tune button in

> WSJT-X results in the radio going into
> transmit mode but no RF is generated.
>
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> something set wrong in Quisk, but I sure
> can't figure out where it is. As a side note,
> all aspects of rig control appear to work
> great in both applications - just can't get a
> signal out to my antenna!
>
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>
> Jim Bennett / W6JHB
> Folsom, CA
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links

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2170. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-29 21:12:34 UTC
From: Sid Boyce
Topic: 2145 Message: 2170

wsjtx is a long build. The INSTALL file is not too bad but could be simpler.

There were a number of pre-req packages, asciidoctor and asciidoc bring
in lots of other packages, cmake suggests an option to make to ignore
wsjtx manpages.
All the files listed here are all the ones I installed when complaints
seen in cmake and make plus others such as rtl-sdr and other stuff I
have been installing.

apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor asciidoc
libudev-dev

For hamlib

../autogen.sh --prefix=/usr/local --disable-shared --enable-static
--without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
-ffunction-sections" LDFLAGS="-Wl,--gc-sections"

For wsjtx
----
root@odroid64:/usr/src/wsjtx/build# cmake -D CMAKE_PREFIX_PATH=/usr/local ..

Near the end make can't find libudev ---- "ln -sf
/lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
-- Install configuration: "RELEASE"
-- Installing: /usr/local/bin/wsjtx
-- Installing: /usr/local/bin/jt9
-- Installing: /usr/local/bin/jt65code
-- Installing: /usr/local/bin/jt9code
-- Installing: /usr/local/bin/jt4code
-- Installing: /usr/local/bin/wsprd
-- Installing: /usr/local/bin/message_aggregator
-- Installing: /usr/local/bin/udp_daemon
-- Installing: /usr/local/bin/rigctl-wsjtx
-- Installing: /usr/local/bin/rigctld-wsjtx
root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
2516 AE9RB Si570 Peaberry V1 0.3 Beta
2517 AE9RB Si570 Peaberry V2 0.2 Beta
73 ... Sid.

On 29/03/16 00:41, James Bennett w6jhb@... [n2adr-sdr] wrote:
>

> Oh, but I wish i could do that!!!! When I was using my SoftRock
> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
> Wheezy to Jessie, put in a new RPi3 and opted to install the full
> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
> Unfortunately, the version of Hamlib that I?ve gotten does not have an
> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
> thing. So, after several email exchanges with folks in this Yahoo
> group and the Omnia Yahoo group, I reluctantly went the rout of having
> Quisk as the intermediary between the SDR and WSJT. Not fun.
>
>
> I would LOVE to figure out how to avoid this, as it has cost me untold
> hours of grief and I am still not at the point where it is working
> satisfactorily.
>
> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
> to work w/o going through Quisk would be greatly appreciated.
>
> p.s. - I have no beef with Quisk - it is a great piece of software and
> I do enjoy using it for QRPp CW contacts?
>
> Jim / W6JHB
>
>
>
>
>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> Why not run wsjtx standalone?
>>
>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>> before Jim wrote up how to use them with quisk.
>> 73 ... Sid.
>>
>> On 29/03/16 00:04, James Bennettw6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>
>>> Just as an FYI, I?m using an RPi3 which has a bit more horsepower than
>>> the V2. But, perhaps that?s still not enough?.
>>>
>>>
>>> To my newbie eyes, this entire latency thing appears to be due to
>>> having to use a loopback sink to get the audio tones back to Quisk
>>> from WSJTX. Why do I say this? Well, with the following settings in
>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
>>> Very little latency, almost no choppiness in the audio to my headphones:
>>>

>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>
>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>> audio output = plughw:CARD=Loopback,DEV=1
>>>
>>> The above results in fine decoding, as I mentioned. But the audio
>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>> button in WSJTX. Note that those selections are NOT the sink loopback
>>> that was suggested by Eric, WW4ET.
>>>
>>> It sure seems that there ought to be some setting between these two
>>> applications that would make the audio flow to Quisk for transmit. If
>>> we can?t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
>>> for receiving and transmit on an RPi3 simply isn?t gonna happen., and
>>> I?ll be relegated to having a receive-only WSPR setup.
>>>
>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>
>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>> Patriot121@...
>>>> <mailto:Patriot121@...><mailto:Patriot121@...> [n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>>
>>>> I think that is something to do with the P2 ... not having quite
>>>> enuff HP to do both ... least both waterfalls ...
>>>>
>>>> Try closing the wsjt waterfall ...
>>>>
>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>> most latency being from the lack of GPU horses to do the lifting ....
>>>> youll just need to increase adjust the Quisk values to see ....
>>>>
>>>> I and a few others are going with the Odroid-C2 to get more
>>>> performance ...
>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>> ....
>>>>
>>>> ---
>>>> To:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>> From:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>
>>>> Gentlemen - we have ignition and liftoff! Sort of.

>>>>
>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>> behold, I can now receive and send WSPR2. That was the good news. The
>>>> bad news is that there is a pretty large latency issue on the receive
>>>> end. I?ll do some reading and maybe play around with Quisk settings
>>>> to see if there are any tweaks I can make to fix this. Before adding
>>>> the sink to Quisk there was almost no latency issue being reported.
>>>> Now it is pretty bad - I can hear really choppy audio in my headphones.
>>>>
>>>> Any suggestions?
>>>>
>>>> Tnx, Jim / W6JHB
>>>>
>>>>
>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>> DURKINPatriot121@...
>>>> <mailto:DURKINPatriot121@...><mailto:Patriot121@...>[n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>>
>>>> you should be able to use the snd-aloop ... i do .... between
>>>> quisk and wsjt
>>>>
>>>> I had to rebuild my kernel to enable it ....
>>>> Least that's what Sid had me do some time ago ...
>>>>
>>>>
>>>> with quisk running, and with quisk using the digital ssb/FM
>>>> button not greyed out ... and quisk audio set to the loopback
>>>> sink for digital .... put wsjt into tune mode, move its power
>>>> slider to max, then check pavucontrol playback tab and see if
>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>> set to the snd-aloop ....
>>>>
>>>> stop wsjt tune and the playback thread should disappear (it is
>>>> not static and will not remain)
>>>>
>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>> to the snd-aloopMonitor
>>>>
>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>> the mail.
>>>>
>>>>
>>>>
>>>> --

>>>> To:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>> From:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>
>>>>
>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>> could use the ALSA loop back as described on the Quisk web page;
>>>> I have it set per the documentation but no joy. So, it looks like
>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>> rookie, but I'm learning (slowly!).
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Mar 27, 2016, at 2:54 PM, EricThorntonewthornton@...
>>>> <mailto:Thorntonewthornton@...>
>>>> <mailto:ewthornton@...>[n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>>
>>>> To install pulseaudio, just type "sudo apt-get install
>>>> pulseaudio". Do the same for "pavucontrol".
>>>>
>>>> It should detect any alsa devices automatically. You will
>>>> probably want to add a null sink as your wsjtx playback
>>>> device and then use the nullsink.monitor stream for input to
>>>> quisk.
>>>>
>>>> This definitely sounds like an audio routing problem.
>>>>
>>>> Eric
>>>> ww4et
>>>>
>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
>>>> <mailto:DURKINPatriot121@...>
>>>> <mailto:Patriot121@...>[n2adr-sdr]"
>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>>
>>>> I have both working with Quisk 4.0.3 ....
>>>>

>>>>
>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>> .. notsure if it is needed, but thats the way iv got it
>>>> working ....
>>>>
>>>>
>>>>
>>>> ---
>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>
>>>>
>>>> I'm curious if ANYONE has been successful with Quisk
>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>> WSJTX are having their audio picked up by Quisk with the
>>>> setup this way. Those two applications ARE sending the
>>>> audio tones out as they should, because when I tell them
>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>
>>>> I can put screen shots of my configurations up on the
>>>> group's file section, if that will help.
>>>>
>>>> This whole thing is soooo close to working; I can send CW
>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>> signals very well. What the heck is up with the transmit
>>>> part?
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@...
>>>> <mailto:Patriot121@...>
>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>>
>>>> Thought you were running latest version of quisk ....
>>>>
>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte>
>>>>
>>>>
>>>>
>>>>

>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>>> <mailto:w6jhb@...>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>
>>>> Mike,
>>>>
>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>> Running pavucontrol only gives me the built-in audio
>>>> output port on the RPI. When I run alsamixer, it
>>>> shows all the ALSA devices, including the Loopback
>>>> device.
>>>>
>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>> development team, I changed WSJTX output to go to the
>>>> default / system output: the speakers on my monitor.
>>>> Doing that produces a nice clean tone when I press
>>>> the Tune button. So, WSJTX is sending a tone signal
>>>> out the door, but Quisk doesn?t seem to be hearing
>>>> it, or does not want to send it to the radio. It
>>>> sends the stuff from the radio over to WSJTX and
>>>> FLDIGI, but not the other way.
>>>>
>>>> Wonder what else in Quisk needs changing?
>>>>
>>>> Very strange.
>>>>
>>>> Jim
>>>>
>>>>
>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>>> PM, MIKEDURKINPatriot121@...
>>>> <mailto:DURKINPatriot121@...>
>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>>
>>>> set the digital program to Tx tune ....
>>>>
>>>> then use pavucontrol and to see the levels
>>>> between programs and see if the audio from wsjt-x
>>>> is going where you want it to ....
>>>>
>>>> the path is NOT static, when wsjt-x quits Txing,
>>>> the Tx audio thread disappears ...
>>>>
>>>> --

>>>> To:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> From:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>> Problem
>>>>
>>>>
>>>> you don't have the audio routing done right ....
>>>>
>>>>
>>>>
>>>> Probably (maybe) but it isn?t obvious to me.
>>>>
>>>> On Quisk I have the Digital Input and Digital
>>>> Output both set to hw:3,0 and that?s what the
>>>> Quisk doc sez. Over in FLDIGI, in the
>>>> Configure?>Sound Card?>Audio?>Devices, I have
>>>> both Capture and Playback set to hw:3,1.
>>>>
>>>> Doesn?t seem logical to me, but this is the way
>>>> the documentation sez to set it up. As I said in
>>>> my original post, FLDIGI and WSJT-X can both
>>>> receive and decode signals very well. Rig control
>>>> works on both applications (frequency changes and
>>>> T/R switching). I just don?t get either one to
>>>> make the OmniaSDR send any output. I?m using two
>>>> ways to see that: a second receiver (Elecraft K3)
>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>> W, and 0-100mw. When set at the mw level the
>>>> needed never moves, so for sure no RF is coming
>>>> out.\
>>>>
>>>> If I set the OmniaSDR up for CW, it works just
>>>> fine and produces a nice 1w signal, so it for
>>>> sure can transmit with Quisk.
>>>>
>>>> What else can be wrong??
>>>>
>>>> Jim
>>>>
>>>>
>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>> 10:59 PM, MIKEDURKINPatriot121@...
>>>> <mailto:DURKINPatriot121@...>
>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com

>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>
>>>>
>>>> you don't have the audio routing done right ....
>>>>
>>>> ---
>>>> To:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> From:n2adr-sdr@yahoogroups.com
>>>> <mailto:sdr@yahoogroups.com>
>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>> Problem
>>>>
>>>> OK guys, need some help here. I am running
>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>> My radio is an OmniaSDR. Quisk works great
>>>> for me in CW mode by itself. My problem is
>>>> with transmitting from either of those two
>>>> digital applications.
>>>>
>>>> I set up a Quisk Radio file per the online
>>>> documentation where I am using XML-RPC in
>>>> FLDIGI. I get decodes in PSK31 with no
>>>> problem. If I press T/R in FLDIGI, the radio
>>>> goes into transmit mode, but no RF flows.
>>>>
>>>> In WSJT-X, I have it set up to use hamlib per
>>>> the QUISK instructions. I get really great
>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>> with FLDIGI, pressing the Tune button in
>>>> WSJT-X results in the radio going into
>>>> transmit mode but no RF is generated.
>>>>
>>>> Since both of those applications fail to
>>>> generate a signal, I'm thinking I have
>>>> something set wrong in Quisk, but I sure
>>>> can't figure out where it is. As a side note,
>>>> all aspects of rig control appear to work
>>>> great in both applications - just can't get a
>>>> signal out to my antenna!
>>>>
>>>> Any hints would be appreciated.
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA

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>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>>
>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
>>
>>
>> n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2171. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-29 21:51:37 UTC
From: James Bennett
Topic: 2145 Message: 2171

Sid - one of the questions I have is why I don't have a Peaberry V2 entry in my Hamlib drop downs.

Yes, the WSJTX build is a pretty long process; I did it last week, several times! I used a procedure from Bill G4WJS. The hamlib part of it (done prior to the make of wsjtx), per his documentation was:

```
mkdir ~/hamlib3
cd ~/hamlib3
git clone git://git.code.sf.net/u/bsomervi/hamlib
<git://git.code.sf.net/u/bsomervi/hamlib> src
cd src
git checkout integration
mkdir ../build
cd ../build
```

../src/autogen.sh –prefix=$home/hamlib3 ……..> and then the same stuff as your

So, I'm wondering how I wound up with a version of hamlib that doesn't seem to have the most recent list of rigs? How can I tell exactly what I've gotten by using the above procedures?

If I need to re-do hamlib and re-compile wsjtx, that's no biggie, I feel pretty comfortable doing that now.

Jim / W6JHB

> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> wsjtx is a long build. The INSTALL file is not too bad but could be simpler.
>
> There were a number of pre-req packages, asciidoctor and asciidoc bring
> in lots of other packages, cmake suggests an option to make to ignore
> wsjtx manpages.
> All the files listed here are all the ones I installed when complaints
> seen in cmake and make plus others such as rtl-sdr and other stuff I
> have been installing.
>
> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor asciidoc
> libudev-dev
>
> For hamlib

> ----------------
> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>
> For wsjtx
> --------------
> root@odroid64:/usr/src/wsjtx/build# cmake -D CMAKE_PREFIX_PATH=/usr/local ..
>
>
> Near the end make can't find libudev ---- "ln -sf
> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
> -- Install configuration: "RELEASE"
> -- Installing: /usr/local/bin/wsjtx
> -- Installing: /usr/local/bin/jt9
> -- Installing: /usr/local/bin/jt65code
> -- Installing: /usr/local/bin/jt9code
> -- Installing: /usr/local/bin/jt4code
> -- Installing: /usr/local/bin/wsprd
> -- Installing: /usr/local/bin/message_aggregator
> -- Installing: /usr/local/bin/udp_daemon
> -- Installing: /usr/local/bin/rigctl-wsjtx
> -- Installing: /usr/local/bin/rigctld-wsjtx
> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
> 73 ... Sid.
>
>
> On 29/03/16 00:41, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:
>>
>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>> Unfortunately, the version of Hamlib that I’ve gotten does not have an
>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>> thing. So, after several email exchanges with folks in this Yahoo
>> group and the Omnia Yahoo group, I reluctantly went the rout of having
>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>
>>
>> I would LOVE to figure out how to avoid this, as it has cost me untold
>> hours of grief and I am still not at the point where it is working
>> satisfactorily.
>>
>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>> to work w/o going through Quisk would be greatly appreciated.
>>

>> p.s. - I have no beef with Quisk - it is a great piece of software and
>> I do enjoy using it for QRPp CW contacts…
>>
>> Jim / W6JHB
>>
>>
>>
>>
>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@... <mailto:g3vbv@...>> [n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>
>>> Why not run wsjtx standalone?
>>>
>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>> before Jim wrote up how to use them with quisk.
>>> 73 ... Sid.
>>>
>>> On 29/03/16 00:04, James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>
>>>> Just as an FYI, I’m using an RPi3 which has a bit more horsepower than
>>>> the V2. But, perhaps that’s still not enough….
>>>>
>>>>
>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
>>>> Very little latency, almost no choppiness in the audio to my headphones:
>>>>
>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
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>>>>
>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>
>>>> The above results in fine decoding, as I mentioned. But the audio
>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>> button in WSJTX. Note that those selections are NOT the sink loopback
>>>> that was suggested by Eric, WW4ET.
>>>>
>>>> It sure seems that there ought to be some setting between these two
>>>> applications that would make the audio flow to Quisk for transmit. If
>>>> we can’t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
>>>> for receiving and transmit on an RPi3 simply isn’t gonna happen., and
>>>> I’ll be relegated to having a receive-only WSPR setup.
>>>>
>>>> Any other ideas on this to avoid that latency-prone sink approach?

>>>>
>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>> Patriot121@... <mailto:Patriot121@msn.com>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@...>> [n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>> wrote:
>>>>>
>>>>>
>>>>> I think that is something to do with the P2 ... not having quite
>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>
>>>>> Try closing the wsjt waterfall ...
>>>>>
>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>> most latency being from the lack of GPU horses to do the lifting ....
>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>
>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>> performance ...
>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>> ....
>>>>>
>>>>> ---
>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>
>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>
>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>> behold, I can now receive and send WSPR2. That was the good news. The
>>>>> bad news is that there is a pretty large latency issue on the receive
>>>>> end. I'll do some reading and maybe play around with Quisk settings
>>>>> to see if there are any tweaks I can make to fix this. Before adding
>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>> Now it is pretty bad - I can hear really choppy audio in my headphones.
>>>>>
>>>>> Any suggestions?
>>>>>

>>>>> Tnx, Jim / W6JHB
>>>>>
>>>>>
>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>> DURKINPatriot121@... <mailto:DURKINPatriot121@...>
>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@msn.com>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>> wrote:
>>>>>
>>>>>
>>>>> you should be able to use the snd-aloop ... i do .... between
>>>>> quisk and wsjt
>>>>>
>>>>> I had to rebuild my kernel to enable it ....
>>>>> Least that's what Sid had me do some time ago ...
>>>>>
>>>>>
>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>> set to the snd-aloop ....
>>>>>
>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>> not static and will not remain)
>>>>>
>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>> to the snd-aloopMonitor
>>>>>
>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>> the mail.
>>>>>
>>>>>
>>>>>
>>>>> ---
>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>

>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>
>>>>>
>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>>> rookie, but I'm learning (slowly!).
>>>>>
>>>>> Jim Bennett / W6JHB
>>>>> Folsom, CA
>>>>>
>>>>> On Mar 27, 2016, at 2:54 PM, EricThorntonewthornton@...
<mailto:EricThorntonewthornton@...>
>>>>> <mailto:Thorntonewthornton@... <mailto:Thorntonewthornton@...>>
>>>>> <mailto:ewthornton@... <mailto:ewthornton@...>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>> wrote:
>>>>>
>>>>>
>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>> pulseaudio". Do the same for "pavucontrol".
>>>>>
>>>>> It should detect any alsa devices automatically. You will
>>>>> probably want to add a null sink as your wsjtx playback
>>>>> device and then use the nullsink.monitor stream for input to
>>>>> quisk.
>>>>>
>>>>> This definitely sounds like an audio routing problem.
>>>>>
>>>>> Eric
>>>>> ww4et
>>>>>
>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@msn.com>>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]"
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>
>>>>>
>>>>> I have both working with Quisk 4.0.3 ....
>>>>>

>>>>>
>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>> working ....
>>>>>
>>>>>
>>>>>
>>>>> ----------
>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>
>>>>>
>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>> setup this way. Those two applications ARE sending the
>>>>> audio tones out as they should, because when I tell them
>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>
>>>>> I can put screen shots of my configurations up on the
>>>>> group's file section, if that will help.
>>>>>
>>>>> This whole thing is soooo close to working; I can send CW
>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>> signals very well. What the heck is up with the transmit
>>>>> part?
>>>>>
>>>>> Jim Bennett / W6JHB
>>>>> Folsom, CA
>>>>>
>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@... <mailto:Patriot121@...>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>
>>>>>
>>>>> Thought you were running latest version of quisk ....
>>>>>
>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte <https://aka.ms/blhgte>>
>>>>>
>>>>>

>>>>>
>>>>>
>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...> <mailto:Bennettw6jhb@me.com
<mailto:Bennettw6jhb@...>>
>>>>> <mailto:w6jhb@...m <mailto:w6jhb@...>>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>wrote:
>>>>>
>>>>> Mike,
>>>>>
>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>> Running pavucontrol only gives me the built-in audio
>>>>> output port on the RPI. When I run alsamixer, it
>>>>> shows all the ALSA devices, including the Loopback
>>>>> device.
>>>>>
>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>> development team, I changed WSJTX output to go to the
>>>>> default / system output: the speakers on my monitor.
>>>>> Doing that produces a nice clean tone when I press
>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>> out the door, but Quisk doesn’t seem to be hearing
>>>>> it, or does not want to send it to the radio. It
>>>>> sends the stuff from the radio over to WSJTX and
>>>>> FLDIGI, but not the other way.
>>>>>
>>>>> Wonder what else in Quisk needs changing?
>>>>>
>>>>> Very strange.
>>>>>
>>>>> Jim
>>>>>
>>>>>
>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>>>> PM, MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@msn.com>
>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...m>>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@msn.com>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>
>>>>>
>>>>> set the digital program to Tx tune ....
>>>>>
>>>>> then use pavucontrol and to see the levels
>>>>> between programs and see if the audio from wsjt-x
>>>>> is going where you want it to ....
>>>>>

>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>> the Tx audio thread disappears ...
>>>>>
>>>>> ---
>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@...m>>
>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>> Problem
>>>>>
>>>>>
>>>>> you don't have the audio routing done right ....
>>>>>
>>>>>
>>>>>
>>>>> Probably (maybe) but it isn’t obvious to me.
>>>>>
>>>>> On Quisk I have the Digital Input and Digital
>>>>> Output both set to hw:3,0 and that’s what the
>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>> Configure—>Sound Card—>Audio—>Devices, I have
>>>>> both Capture and Playback set to hw:3,1.
>>>>>
>>>>> Doesn’t seem logical to me, but this is the way
>>>>> the documentation sez to set it up. As I said in
>>>>> my original post, FLDIGI and WSJT-X can both
>>>>> receive and decode signals very well. Rig control
>>>>> works on both applications (frequency changes and
>>>>> T/R switching). I just don’t get either one to
>>>>> make the OmniaSDR send any output. I’m using two
>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>> W, and 0-100mw. When set at the mw level the
>>>>> needed never moves, so for sure no RF is coming
>>>>> out.\
>>>>>
>>>>> If I set the OmniaSDR up for CW, it works just
>>>>> fine and produces a nice 1w signal, so it for
>>>>> sure can transmit with Quisk.
>>>>>
>>>>> What else can be wrong??
>>>>>
>>>>> Jim
>>>>>
>>>>>
>>>>> On Wednesday, Mar 23, 2016, at Wednesday,

>>>>> 10:59 PM, MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...m>
>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>
>>>>>
>>>>> you don't have the audio routing done right ....
>>>>>
>>>>> ---
>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>> Problem
>>>>>
>>>>> OK guys, need some help here. I am running
>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>> My radio is an OmniaSDR. Quisk works great
>>>>> for me in CW mode by itself. My problem is
>>>>> with transmitting from either of those two
>>>>> digital applications.
>>>>>
>>>>> I set up a Quisk Radio file per the online
>>>>> documentation where I am using XML-RPC in
>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>> goes into transmit mode, but no RF flows.
>>>>>
>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>> the QUISK instructions. I get really great
>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>> with FLDIGI, pressing the Tune button in
>>>>> WSJT-X results in the radio going into
>>>>> transmit mode but no RF is generated.
>>>>>
>>>>> Since both of those applications fail to
>>>>> generate a signal, I'm thinking I have
>>>>> something set wrong in Quisk, but I sure
>>>>> can't figure out where it is. As a side note,
>>>>> all aspects of rig control appear to work
>>>>> great in both applications - just can't get a
>>>>> signal out to my antenna!
>>>>>

>>>>> Any hints would be appreciated.
>>>>>
>>>>> Jim Bennett / W6JHB
>>>>> Folsom, CA
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>
>>>>
>>>>
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>> Senior Staff Specialist, Cricket Coach
>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>
>>>
>>>
>>> ------------------------------------
>>>
>>> ------------------------------------
>>>
>>>
>>> ------------------------------------
>>>
>>> Yahoo Groups Links
>>>
>>>
>>> n2adr-sdr-fullfeatured@yahoogroups.com <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>
>>>
>>
>
>
> --

> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

2172. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-29 22:54:32 UTC
From: Ron
Topic: 2145 Message: 2172

Hi Jim,

That is why WSJT-X does not have the AE9RB entries. I'm pretty sure if hamlib is already installed the WSJT-X build process will not use the embedded version that comes with it. You need to remove the version that is installed and then do a "make clean" in the directory that was used for the original WSJT-X build.
Then do the make again. The AE9RB entries are the top of the list.

73
Ron / W4MMP

On 3/29/2016 17:51, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid - one of the questions I have is why I don?t have a Peaberry V2
> entry in my Hamlib drop downs.
>
>
> Yes, the WSJTX build is a pretty long process; I did it last week,
> several times! I used a procedure from Bill G4WJS. The hamlib part of
> it (done prior to the make of wsjtx), per his documentation was:
>
> mkdir ~/hamlib3
> cd ~/hamlib3
> git clone git://git.code.sf.net/u/bsomervi/hamlib src
> cd src
> git checkout integration
> mkdir ../build
> cd ../build
>
> ../src/autogen.sh ?prefix=$home/hamlib3 ??..> and then the same stuff
> as your
>
> So, I?m wondering how I wound up with a version of hamlib that doesn?t
> seem to have the most recent list of rigs? How can I tell exactly what
> I?ve gotten by using the above procedures?
>
> If I need to re-do hamlib and re-compile wsjtx, that?s no biggie, I
> feel pretty comfortable doing that now.
>
> Jim / W6JHB
>
>
>> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
>> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

>>
>> wsjtx is a long build. The INSTALL file is not too bad but could be
>> simpler.
>>
>> There were a number of pre-req packages, asciidoctor and asciidoc bring
>> in lots of other packages, cmake suggests an option to make to ignore
>> wsjtx manpages.
>> All the files listed here are all the ones I installed when complaints
>> seen in cmake and make plus others such as rtl-sdr and other stuff I
>> have been installing.
>>
>> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
>> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
>> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
>> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
>> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor asciidoc
>> libudev-dev
>>
>> For hamlib
>> ----------------
>> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
>> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
>> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>>
>> For wsjtx
>> --------------
>> root@odroid64:/usr/src/wsjtx/build# cmake -D
>> CMAKE_PREFIX_PATH=/usr/local ..
>>
>>
>> Near the end make can't find libudev ---- "ln -sf
>> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
>> -- Install configuration: "RELEASE"
>> -- Installing: /usr/local/bin/wsjtx
>> -- Installing: /usr/local/bin/jt9
>> -- Installing: /usr/local/bin/jt65code
>> -- Installing: /usr/local/bin/jt9code
>> -- Installing: /usr/local/bin/jt4code
>> -- Installing: /usr/local/bin/wsprd
>> -- Installing: /usr/local/bin/message_aggregator
>> -- Installing: /usr/local/bin/udp_daemon
>> -- Installing: /usr/local/bin/rigctl-wsjtx
>> -- Installing: /usr/local/bin/rigctld-wsjtx
>> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
>> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
>> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
>> 73 ... Sid.
>>
>>
>> On 29/03/16 00:41, James Bennettw6jhb@...

>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>
>>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>>> Unfortunately, the version of Hamlib that I?ve gotten does not have an
>>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>>> thing. So, after several email exchanges with folks in this Yahoo
>>> group and the Omnia Yahoo group, I reluctantly went the rout of having
>>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>>
>>>
>>> I would LOVE to figure out how to avoid this, as it has cost me untold
>>> hours of grief and I am still not at the point where it is working
>>> satisfactorily.
>>>
>>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>>> to work w/o going through Quisk would be greatly appreciated.
>>>
>>> p.s. - I have no beef with Quisk - it is a great piece of software and
>>> I do enjoy using it for QRPp CW contacts?
>>>
>>> Jim / W6JHB
>>>
>>>
>>>
>>>
>>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>>> g3vbv@...
>>>> <mailto:g3vbv@...><mailto:g3vbv@...>
>>>> [n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>> Why not run wsjtx standalone?
>>>>
>>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>>> before Jim wrote up how to use them with quisk.
>>>> 73 ... Sid.
>>>>
>>>> On 29/03/16 00:04, JamesBennettw6jhb@...
>>>> <mailto:Bennettw6jhb@...>
>>>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>>>
>>>>> Just as an FYI, I?m using an RPi3 which has a bit more horsepower than
>>>>> the V2. But, perhaps that?s still not enough?.
>>>>>

>>>>>
>>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
>>>>> Very little latency, almost no choppiness in the audio to my
>>>>> headphones:
>>>>>
>>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>
>>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>>
>>>>> The above results in fine decoding, as I mentioned. But the audio
>>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>>> button in WSJTX. Note that those selections are NOT the sink loopback
>>>>> that was suggested by Eric, WW4ET.
>>>>>
>>>>> It sure seems that there ought to be some setting between these two
>>>>> applications that would make the audio flow to Quisk for transmit. If
>>>>> we can?t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
>>>>> for receiving and transmit on an RPi3 simply isn?t gonna happen., and
>>>>> I?ll be relegated to having a receive-only WSPR setup.
>>>>>
>>>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>>>
>>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>>> Patriot121@... <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...><mailto:Patriot121@...> [n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> I think that is something to do with the P2 ... not having quite
>>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>>
>>>>>> Try closing the wsjt waterfall ...
>>>>>>
>>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>>> most latency being from the lack of GPU horses to do the lifting ....
>>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>>
>>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>>> performance ...
>>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>>> ....
>>>>>>
>>>>>> --

>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>>
>>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>>> behold, I can now receive and send WSPR2. That was the good news. The
>>>>>> bad news is that there is a pretty large latency issue on the receive
>>>>>> end. I?ll do some reading and maybe play around with Quisk settings
>>>>>> to see if there are any tweaks I can make to fix this. Before adding
>>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>>> Now it is pretty bad - I can hear really choppy audio in my
>>>>>> headphones.
>>>>>>
>>>>>> Any suggestions?
>>>>>>
>>>>>> Tnx, Jim / W6JHB
>>>>>>
>>>>>>
>>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>>> DURKINPatriot121@... <mailto:DURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...><mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> you should be able to use the snd-aloop ... i do .... between
>>>>>> quisk and wsjt
>>>>>>
>>>>>> I had to rebuild my kernel to enable it ....
>>>>>> Least that's what Sid had me do some time ago ...
>>>>>>
>>>>>>
>>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>>> set to the snd-aloop ....
>>>>>>
>>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>>> not static and will not remain)
>>>>>>
>>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>>> to the snd-aloopMonitor

>>>>>>
>>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>>> the mail.
>>>>>>
>>>>>>
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>>
>>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>>>> rookie, but I'm learning (slowly!).
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
>>>>>> <mailto:EricThorntonewthornton@...>
>>>>>> <mailto:Thorntonewthornton@...>
>>>>>> <mailto:ewthornton@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>>> pulseaudio". Do the same for "pavucontrol".
>>>>>>
>>>>>> It should detect any alsa devices automatically. You will
>>>>>> probably want to add a null sink as your wsjtx playback
>>>>>> device and then use the nullsink.monitor stream for input to
>>>>>> quisk.
>>>>>>
>>>>>> This definitely sounds like an audio routing problem.
>>>>>>
>>>>>> Eric
>>>>>> ww4et

>>>>>>
>>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]"
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> I have both working with Quisk 4.0.3 ....
>>>>>>
>>>>>>
>>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>>> working ....
>>>>>>
>>>>>>
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>>
>>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>>> setup this way. Those two applications ARE sending the
>>>>>> audio tones out as they should, because when I tell them
>>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>>
>>>>>> I can put screen shots of my configurations up on the
>>>>>> group's file section, if that will help.
>>>>>>
>>>>>> This whole thing is soooo close to working; I can send CW
>>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>>> signals very well. What the heck is up with the transmit
>>>>>> part?
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@...

>>>>>> <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> Thought you were running latest version of quisk ....
>>>>>>
>>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte>
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>>> Bennettw6jhb@...
>>>>>> <mailto:Bennettw6jhb@...><mailto:Bennettw6jhb@...>
>>>>>> <mailto:w6jhb@...>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>>>
>>>>>> Mike,
>>>>>>
>>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>>> Running pavucontrol only gives me the built-in audio
>>>>>> output port on the RPI. When I run alsamixer, it
>>>>>> shows all the ALSA devices, including the Loopback
>>>>>> device.
>>>>>>
>>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>>> development team, I changed WSJTX output to go to the
>>>>>> default / system output: the speakers on my monitor.
>>>>>> Doing that produces a nice clean tone when I press
>>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>>> out the door, but Quisk doesn?t seem to be hearing
>>>>>> it, or does not want to send it to the radio. It
>>>>>> sends the stuff from the radio over to WSJTX and
>>>>>> FLDIGI, but not the other way.
>>>>>>
>>>>>> Wonder what else in Quisk needs changing?
>>>>>>
>>>>>> Very strange.
>>>>>>
>>>>>> Jim
>>>>>>
>>>>>>
>>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53

>>>>>> PM,MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> set the digital program to Tx tune ....
>>>>>>
>>>>>> then use pavucontrol and to see the levels
>>>>>> between programs and see if the audio from wsjt-x
>>>>>> is going where you want it to ....
>>>>>>
>>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>>> the Tx audio thread disappears ...
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>> Problem
>>>>>>
>>>>>>
>>>>>> you don't have the audio routing done right
>>>>>> ....
>>>>>>
>>>>>>
>>>>>>
>>>>>> Probably (maybe) but it isn?t obvious to me.
>>>>>>
>>>>>> On Quisk I have the Digital Input and Digital
>>>>>> Output both set to hw:3,0 and that?s what the
>>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>>> Configure?>Sound Card?>Audio?>Devices, I have
>>>>>> both Capture and Playback set to hw:3,1.
>>>>>>
>>>>>> Doesn?t seem logical to me, but this is the way
>>>>>> the documentation sez to set it up. As I said in
>>>>>> my original post, FLDIGI and WSJT-X can both
>>>>>> receive and decode signals very well. Rig control

>>>>>> works on both applications (frequency changes and
>>>>>> T/R switching). I just don?t get either one to
>>>>>> make the OmniaSDR send any output. I?m using two
>>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>>> W, and 0-100mw. When set at the mw level the
>>>>>> needed never moves, so for sure no RF is coming
>>>>>> out.\
>>>>>>
>>>>>> If I set the OmniaSDR up for CW, it works just
>>>>>> fine and produces a nice 1w signal, so it for
>>>>>> sure can transmit with Quisk.
>>>>>>
>>>>>> What else can be wrong??
>>>>>>
>>>>>> Jim
>>>>>>
>>>>>>
>>>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>>>> 10:59 PM,MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> you don't have the audio routing done right
>>>>>> ....
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>> Problem
>>>>>>
>>>>>> OK guys, need some help here. I am running
>>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>>> My radio is an OmniaSDR. Quisk works great
>>>>>> for me in CW mode by itself. My problem is

>>>>>> with transmitting from either of those two
>>>>>> digital applications.
>>>>>>
>>>>>> I set up a Quisk Radio file per the online
>>>>>> documentation where I am using XML-RPC in
>>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>>> goes into transmit mode, but no RF flows.
>>>>>>
>>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>>> the QUISK instructions. I get really great
>>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>>> with FLDIGI, pressing the Tune button in
>>>>>> WSJT-X results in the radio going into
>>>>>> transmit mode but no RF is generated.
>>>>>>
>>>>>> Since both of those applications fail to
>>>>>> generate a signal, I'm thinking I have
>>>>>> something set wrong in Quisk, but I sure
>>>>>> can't figure out where it is. As a side note,
>>>>>> all aspects of rig control appear to work
>>>>>> great in both applications - just can't get a
>>>>>> signal out to my antenna!
>>>>>>
>>>>>> Any hints would be appreciated.
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>>
>>>>>>
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>>>>>>
>>>>>>
>>>>>
>>>>>
>>>>
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

>>>> Senior Staff Specialist, Cricket Coach
>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>
>>>>
>>>>
>>>> ------------------------------------
>>>>
>>>> ------------------------------------
>>>>
>>>>
>>>> ------------------------------------
>>>>
>>>> Yahoo Groups Links
>>>>
>>>>
>>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>
>>>>
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>>
>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
>>
>>
>> n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>
>>
>

2173. Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-03-29 23:04:08 UTC
From: Robert Newberry
Topic: 2173 Message: 2173

I am running version 4.0.4 It looks like I can change the color scheme, but I'm confused most everything mentions adding the lines of code to the config file, but 4.0.4 supposedly I can make these changes in the config tab, but all I can see is changing font sizes.

Thank you for any help you can offer.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2174. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-29 23:08:30 UTC
From: Sid Boyce
Topic: 2145 Message: 2174

You have installed hamlib in $home/hamlib3/bin
What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?

Possibly you still have the old hamlib packages installed -- "dpkg -S
`which rigctl`"
"dpkg -l | grep hamlib" will list the packages, "apt-get remove
<packages>" will get rid of them.

I chose "--prefix=/usr/local" so the binaries get installed in
/usr/local/bin which is a regular PATH for executables.
73 ... Sid.

On 29/03/16 22:51, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid - one of the questions I have is why I don?t have a Peaberry V2
> entry in my Hamlib drop downs.
>
>
> Yes, the WSJTX build is a pretty long process; I did it last week,
> several times! I used a procedure from Bill G4WJS. The hamlib part of
> it (done prior to the make of wsjtx), per his documentation was:
>
> mkdir ~/hamlib3
> cd ~/hamlib3
> git clone git://git.code.sf.net/u/bsomervi/hamlib src
> cd src
> git checkout integration
> mkdir ../build
> cd ../build
>
> ../src/autogen.sh ?prefix=$home/hamlib3 ??..> and then the same stuff
> as your
>
> So, I?m wondering how I wound up with a version of hamlib that doesn?t
> seem to have the most recent list of rigs? How can I tell exactly what
> I?ve gotten by using the above procedures?
>
> If I need to re-do hamlib and re-compile wsjtx, that?s no biggie, I
> feel pretty comfortable doing that now.
>
> Jim / W6JHB
>
>
>> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
>> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

>>
>> wsjtx is a long build. The INSTALL file is not too bad but could be
>> simpler.
>>
>> There were a number of pre-req packages, asciidoctor and asciidoc bring
>> in lots of other packages, cmake suggests an option to make to ignore
>> wsjtx manpages.
>> All the files listed here are all the ones I installed when complaints
>> seen in cmake and make plus others such as rtl-sdr and other stuff I
>> have been installing.
>>
>> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
>> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
>> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
>> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
>> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor asciidoc
>> libudev-dev
>>
>> For hamlib
>> ----------------
>> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
>> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
>> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>>
>> For wsjtx
>> --------------
>> root@odroid64:/usr/src/wsjtx/build# cmake -D
>> CMAKE_PREFIX_PATH=/usr/local ..
>>
>>
>> Near the end make can't find libudev ---- "ln -sf
>> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
>> -- Install configuration: "RELEASE"
>> -- Installing: /usr/local/bin/wsjtx
>> -- Installing: /usr/local/bin/jt9
>> -- Installing: /usr/local/bin/jt65code
>> -- Installing: /usr/local/bin/jt9code
>> -- Installing: /usr/local/bin/jt4code
>> -- Installing: /usr/local/bin/wsprd
>> -- Installing: /usr/local/bin/message_aggregator
>> -- Installing: /usr/local/bin/udp_daemon
>> -- Installing: /usr/local/bin/rigctl-wsjtx
>> -- Installing: /usr/local/bin/rigctld-wsjtx
>> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
>> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
>> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
>> 73 ... Sid.
>>
>>
>> On 29/03/16 00:41, James Bennettw6jhb@...

>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>
>>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>>> Unfortunately, the version of Hamlib that I?ve gotten does not have an
>>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>>> thing. So, after several email exchanges with folks in this Yahoo
>>> group and the Omnia Yahoo group, I reluctantly went the rout of having
>>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>>
>>>
>>> I would LOVE to figure out how to avoid this, as it has cost me untold
>>> hours of grief and I am still not at the point where it is working
>>> satisfactorily.
>>>
>>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>>> to work w/o going through Quisk would be greatly appreciated.
>>>
>>> p.s. - I have no beef with Quisk - it is a great piece of software and
>>> I do enjoy using it for QRPp CW contacts?
>>>
>>> Jim / W6JHB
>>>
>>>
>>>
>>>
>>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>>> g3vbv@...
>>>> <mailto:g3vbv@...><mailto:g3vbv@...>
>>>> [n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>> Why not run wsjtx standalone?
>>>>
>>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>>> before Jim wrote up how to use them with quisk.
>>>> 73 ... Sid.
>>>>
>>>> On 29/03/16 00:04, JamesBennettw6jhb@...
>>>> <mailto:Bennettw6jhb@...>
>>>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>>>
>>>>> Just as an FYI, I?m using an RPi3 which has a bit more horsepower than
>>>>> the V2. But, perhaps that?s still not enough?.
>>>>>

>>>>>
>>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
>>>>> Very little latency, almost no choppiness in the audio to my
>>>>> headphones:
>>>>>
>>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>
>>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>>
>>>>> The above results in fine decoding, as I mentioned. But the audio
>>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>>> button in WSJTX. Note that those selections are NOT the sink loopback
>>>>> that was suggested by Eric, WW4ET.
>>>>>
>>>>> It sure seems that there ought to be some setting between these two
>>>>> applications that would make the audio flow to Quisk for transmit. If
>>>>> we can?t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel
>>>>> for receiving and transmit on an RPi3 simply isn?t gonna happen., and
>>>>> I?ll be relegated to having a receive-only WSPR setup.
>>>>>
>>>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>>>
>>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>>> Patriot121@... <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...><mailto:Patriot121@...> [n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> I think that is something to do with the P2 ... not having quite
>>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>>
>>>>>> Try closing the wsjt waterfall ...
>>>>>>
>>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>>> most latency being from the lack of GPU horses to do the lifting ....
>>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>>
>>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>>> performance ...
>>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>>> ....
>>>>>>
>>>>>> --

>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>>
>>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>>> behold, I can now receive and send WSPR2. That was the good news. The
>>>>>> bad news is that there is a pretty large latency issue on the receive
>>>>>> end. I?ll do some reading and maybe play around with Quisk settings
>>>>>> to see if there are any tweaks I can make to fix this. Before adding
>>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>>> Now it is pretty bad - I can hear really choppy audio in my
>>>>>> headphones.
>>>>>>
>>>>>> Any suggestions?
>>>>>>
>>>>>> Tnx, Jim / W6JHB
>>>>>>
>>>>>>
>>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>>> DURKINPatriot121@... <mailto:DURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...><mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> you should be able to use the snd-aloop ... i do .... between
>>>>>> quisk and wsjt
>>>>>>
>>>>>> I had to rebuild my kernel to enable it ....
>>>>>> Least that's what Sid had me do some time ago ...
>>>>>>
>>>>>>
>>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>>> set to the snd-aloop ....
>>>>>>
>>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>>> not static and will not remain)
>>>>>>
>>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>>> to the snd-aloopMonitor

>>>>>>
>>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>>> the mail.
>>>>>>
>>>>>>
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>>
>>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>>>> rookie, but I'm learning (slowly!).
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
>>>>>> <mailto:EricThorntonewthornton@...>
>>>>>> <mailto:Thorntonewthornton@...>
>>>>>> <mailto:ewthornton@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>>
>>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>>> pulseaudio". Do the same for "pavucontrol".
>>>>>>
>>>>>> It should detect any alsa devices automatically. You will
>>>>>> probably want to add a null sink as your wsjtx playback
>>>>>> device and then use the nullsink.monitor stream for input to
>>>>>> quisk.
>>>>>>
>>>>>> This definitely sounds like an audio routing problem.
>>>>>>
>>>>>> Eric
>>>>>> ww4et

>>>>>>
>>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]"
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> I have both working with Quisk 4.0.3 ....
>>>>>>
>>>>>>
>>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>>> working ....
>>>>>>
>>>>>>
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>
>>>>>>
>>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>>> setup this way. Those two applications ARE sending the
>>>>>> audio tones out as they should, because when I tell them
>>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>>
>>>>>> I can put screen shots of my configurations up on the
>>>>>> group's file section, if that will help.
>>>>>>
>>>>>> This whole thing is soooo close to working; I can send CW
>>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>>> signals very well. What the heck is up with the transmit
>>>>>> part?
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@...

>>>>>> <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> Thought you were running latest version of quisk ....
>>>>>>
>>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte>
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>>> Bennettw6jhb@...
>>>>>> <mailto:Bennettw6jhb@...><mailto:Bennettw6jhb@...>
>>>>>> <mailto:w6jhb@...>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>>>
>>>>>> Mike,
>>>>>>
>>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>>> Running pavucontrol only gives me the built-in audio
>>>>>> output port on the RPI. When I run alsamixer, it
>>>>>> shows all the ALSA devices, including the Loopback
>>>>>> device.
>>>>>>
>>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>>> development team, I changed WSJTX output to go to the
>>>>>> default / system output: the speakers on my monitor.
>>>>>> Doing that produces a nice clean tone when I press
>>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>>> out the door, but Quisk doesn?t seem to be hearing
>>>>>> it, or does not want to send it to the radio. It
>>>>>> sends the stuff from the radio over to WSJTX and
>>>>>> FLDIGI, but not the other way.
>>>>>>
>>>>>> Wonder what else in Quisk needs changing?
>>>>>>
>>>>>> Very strange.
>>>>>>
>>>>>> Jim
>>>>>>
>>>>>>
>>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53

>>>>>> PM,MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> set the digital program to Tx tune ....
>>>>>>
>>>>>> then use pavucontrol and to see the levels
>>>>>> between programs and see if the audio from wsjt-x
>>>>>> is going where you want it to ....
>>>>>>
>>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>>> the Tx audio thread disappears ...
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>> Problem
>>>>>>
>>>>>>
>>>>>> you don't have the audio routing done right
>>>>>> ....
>>>>>>
>>>>>>
>>>>>>
>>>>>> Probably (maybe) but it isn?t obvious to me.
>>>>>>
>>>>>> On Quisk I have the Digital Input and Digital
>>>>>> Output both set to hw:3,0 and that?s what the
>>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>>> Configure?>Sound Card?>Audio?>Devices, I have
>>>>>> both Capture and Playback set to hw:3,1.
>>>>>>
>>>>>> Doesn?t seem logical to me, but this is the way
>>>>>> the documentation sez to set it up. As I said in
>>>>>> my original post, FLDIGI and WSJT-X can both
>>>>>> receive and decode signals very well. Rig control

>>>>>> works on both applications (frequency changes and
>>>>>> T/R switching). I just don?t get either one to
>>>>>> make the OmniaSDR send any output. I?m using two
>>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>>> W, and 0-100mw. When set at the mw level the
>>>>>> needed never moves, so for sure no RF is coming
>>>>>> out.\
>>>>>>
>>>>>> If I set the OmniaSDR up for CW, it works just
>>>>>> fine and produces a nice 1w signal, so it for
>>>>>> sure can transmit with Quisk.
>>>>>>
>>>>>> What else can be wrong??
>>>>>>
>>>>>> Jim
>>>>>>
>>>>>>
>>>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>>>> 10:59 PM,MIKEDURKINPatriot121@...
>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>> <mailto:DURKINPatriot121@...>
>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>
>>>>>>
>>>>>> you don't have the audio routing done right
>>>>>> ....
>>>>>>
>>>>>> ---
>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>> Problem
>>>>>>
>>>>>> OK guys, need some help here. I am running
>>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>>> My radio is an OmniaSDR. Quisk works great
>>>>>> for me in CW mode by itself. My problem is

>>>>>> with transmitting from either of those two
>>>>>> digital applications.
>>>>>>
>>>>>> I set up a Quisk Radio file per the online
>>>>>> documentation where I am using XML-RPC in
>>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>>> goes into transmit mode, but no RF flows.
>>>>>>
>>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>>> the QUISK instructions. I get really great
>>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>>> with FLDIGI, pressing the Tune button in
>>>>>> WSJT-X results in the radio going into
>>>>>> transmit mode but no RF is generated.
>>>>>>
>>>>>> Since both of those applications fail to
>>>>>> generate a signal, I'm thinking I have
>>>>>> something set wrong in Quisk, but I sure
>>>>>> can't figure out where it is. As a side note,
>>>>>> all aspects of rig control appear to work
>>>>>> great in both applications - just can't get a
>>>>>> signal out to my antenna!
>>>>>>
>>>>>> Any hints would be appreciated.
>>>>>>
>>>>>> Jim Bennett / W6JHB
>>>>>> Folsom, CA
>>>>>>
>>>>>>
>>>>>>
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>>>>>>
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>>>>>
>>>>
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

>>>> Senior Staff Specialist, Cricket Coach
>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>
>>>>
>>>>
>>>> ------------------------------------
>>>>
>>>> ------------------------------------
>>>>
>>>>
>>>> ------------------------------------
>>>>
>>>> Yahoo Groups Links
>>>>
>>>>
>>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>
>>>>
>>>
>>
>>
>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>
>>
>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
>>
>>
>> n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2175. Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-03-30 01:35:54 UTC
From: Robert Newberry
Topic: 2173 Message: 2175

I got the dark color theme working great. For what ever reason on the graph where I would see span of frequencies that area is white and blank. I've tried a few things with out any luck. I basically just commented out the default theme and the removed the comments.

Does anyone know how to fill that area black and use white or grey text. I seem to be not having any luck.

Thank you

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2176. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-30 04:13:48 UTC
From: James Bennett
Topic: 2145 Message: 2176

Sid,

See interspersed, below:
> On Tuesday, Mar 29, 2016, at Tuesday, 4:08 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> You have installed hamlib in $home/hamlib3/bin
> What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?
I get nothing after running this, so I assume it found no hit on that word.
>
> Possibly you still have the old hamlib packages installed -- "dpkg -S
> `which rigctl`"
> "dpkg -l | grep hamlib" will list the packages, "apt-get remove
> <packages>" will get rid of them.
I ran a list of them and here is what it returned:

pi@raspberrypi:~ $ dpkg -l | grep hamlib
ii libhamlib-utils 1.2.15.3-2+b1 armhf Utilities to support the hamlib radio control library
ii libhamlib2 1.2.15.3-2+b1 armhf Run-time library to control radio transceivers and receivers
pi@raspberrypi:~ $

So - looks to me like the only thing I have is hamlib v2, correct? And if I do the "apt-get remove xxxxxxxxx" they'll be gone.

You are showing –prefix=/usr/local for the hamlib stuff. Sorry, but I'm confused - how will the hamlib files get installed into that location?

Jim

>
> I chose "--prefix=/usr/local" so the binaries get installed in
> /usr/local/bin which is a regular PATH for executables.
> 73 ... Sid.
>
> On 29/03/16 22:51, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:
>>
>> Sid - one of the questions I have is why I don't have a Peaberry V2
>> entry in my Hamlib drop downs.
>>
>>
>> Yes, the WSJTX build is a pretty long process; I did it last week,
>> several times! I used a procedure from Bill G4WJS. The hamlib part of
>> it (done prior to the make of wsjtx), per his documentation was:
>>

>> mkdir ~/hamlib3
>> cd ~/hamlib3
>> git clone git://git.code.sf.net/u/bsomervi/hamlib src
>> cd src
>> git checkout integration
>> mkdir ../build
>> cd ../build
>>
>> ../src/autogen.sh –prefix=$home/hamlib3 ……..> and then the same stuff
>> as your
>>
>> So, I’m wondering how I wound up with a version of hamlib that doesn’t
>> seem to have the most recent list of rigs? How can I tell exactly what
>> I’ve gotten by using the above procedures?
>>
>> If I need to re-do hamlib and re-compile wsjtx, that’s no biggie, I
>> feel pretty comfortable doing that now.
>>
>> Jim / W6JHB
>>
>>
>>> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
>>> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@... <mailto:g3vbv@blueyonder.co.uk>>
[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>
>>> wsjtx is a long build. The INSTALL file is not too bad but could be
>>> simpler.
>>>
>>> There were a number of pre-req packages, asciidoctor and asciidoc bring
>>> in lots of other packages, cmake suggests an option to make to ignore
>>> wsjtx manpages.
>>> All the files listed here are all the ones I installed when complaints
>>> seen in cmake and make plus others such as rtl-sdr and other stuff I
>>> have been installing.
>>>
>>> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
>>> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
>>> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
>>> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
>>> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor asciidoc
>>> libudev-dev
>>>
>>> For hamlib
>>> ----------------
>>> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
>>> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
>>> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>>>

>>> For wsjtx
>>> --------------
>>> root@odroid64:/usr/src/wsjtx/build# cmake -D
>>> CMAKE_PREFIX_PATH=/usr/local ..
>>>
>>>
>>> Near the end make can't find libudev ---- "ln -sf
>>> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
>>> -- Install configuration: "RELEASE"
>>> -- Installing: /usr/local/bin/wsjtx
>>> -- Installing: /usr/local/bin/jt9
>>> -- Installing: /usr/local/bin/jt65code
>>> -- Installing: /usr/local/bin/jt9code
>>> -- Installing: /usr/local/bin/jt4code
>>> -- Installing: /usr/local/bin/wsprd
>>> -- Installing: /usr/local/bin/message_aggregator
>>> -- Installing: /usr/local/bin/udp_daemon
>>> -- Installing: /usr/local/bin/rigctl-wsjtx
>>> -- Installing: /usr/local/bin/rigctld-wsjtx
>>> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
>>> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
>>> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
>>> 73 ... Sid.
>>>
>>>
>>> On 29/03/16 00:41, James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>
>>>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>>>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>>>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>>>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>>>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>>>> Unfortunately, the version of Hamlib that I’ve gotten does not have an
>>>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>>>> thing. So, after several email exchanges with folks in this Yahoo
>>>> group and the Omnia Yahoo group, I reluctantly went the rout of having
>>>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>>>
>>>>
>>>> I would LOVE to figure out how to avoid this, as it has cost me untold
>>>> hours of grief and I am still not at the point where it is working
>>>> satisfactorily.
>>>>
>>>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>>>> to work w/o going through Quisk would be greatly appreciated.
>>>>
>>>> p.s. - I have no beef with Quisk - it is a great piece of software and
>>>> I do enjoy using it for QRPp CW contacts…
>>>>

>>>> Jim / W6JHB
>>>>
>>>>
>>>>
>>>>
>>>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>>>> g3vbv@... <mailto:g3vbv@blueyonder.co.uk>
>>>>> <mailto:g3vbv@... <mailto:g3vbv@...>><mailto:g3vbv@... <mailto:g3vbv@...>>
>>>>> [n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@...m>
>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>> wrote:
>>>>>
>>>>> Why not run wsjtx standalone?
>>>>>
>>>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>>>> before Jim wrote up how to use them with quisk.
>>>>> 73 ... Sid.
>>>>>
>>>>> On 29/03/16 00:04, JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>
>>>>> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
>>>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>>>
>>>>>> Just as an FYI, I’m using an RPi3 which has a bit more horsepower than
>>>>>> the V2. But, perhaps that’s still not enough….
>>>>>>
>>>>>>
>>>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works great.
>>>>>> Very little latency, almost no choppiness in the audio to my
>>>>>> headphones:
>>>>>>
>>>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>>
>>>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>>>
>>>>>> The above results in fine decoding, as I mentioned. But the audio
>>>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>>>> button in WSJTX. Note that those selections are NOT the sink loopback
>>>>>> that was suggested by Eric, WW4ET.
>>>>>>
>>>>>> It sure seems that there ought to be some setting between these two
>>>>>> applications that would make the audio flow to Quisk for transmit. If
>>>>>> we can’t figure this out, then using Quisk 4.0.4 and WSJTX 1.7.0-devel

>>>>>> for receiving and transmit on an RPi3 simply isn’t gonna happen., and
>>>>>> I’ll be relegated to having a receive-only WSPR setup.
>>>>>>
>>>>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>>>>
>>>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>>>> Patriot121@...m <mailto:Patriot121@...> <mailto:Patriot121@...
<mailto:Patriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@...>> [n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> I think that is something to do with the P2 ... not having quite
>>>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>>>
>>>>>>> Try closing the wsjt waterfall ...
>>>>>>>
>>>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>>>> most latency being from the lack of GPU horses to do the lifting ....
>>>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>>>
>>>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>>>> performance ...
>>>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>>>> ....
>>>>>>>
>>>>>>> ---
>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>
>>>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>>>
>>>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>>>> behold, I can now receive and send WSPR2. That was the good news. The

>>>>>>> bad news is that there is a pretty large latency issue on the receive
>>>>>>> end. I'll do some reading and maybe play around with Quisk settings
>>>>>>> to see if there are any tweaks I can make to fix this. Before adding
>>>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>>>> Now it is pretty bad - I can hear really choppy audio in my
>>>>>>> headphones.
>>>>>>>
>>>>>>> Any suggestions?
>>>>>>>
>>>>>>> Tnx, Jim / W6JHB
>>>>>>>
>>>>>>>
>>>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>>>> DURKINPatriot121@... <mailto:DURKINPatriot121@...> <mailto:DURKINPatriot121@...
<mailto:DURKINPatriot121@...>>
>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...m>><mailto:Patriot121@...
<mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> you should be able to use the snd-aloop ... i do .... between
>>>>>>> quisk and wsjt
>>>>>>>
>>>>>>> I had to rebuild my kernel to enable it ....
>>>>>>> Least that's what Sid had me do some time ago ...
>>>>>>>
>>>>>>>
>>>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>>>> set to the snd-aloop ....
>>>>>>>
>>>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>>>> not static and will not remain)
>>>>>>>
>>>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>>>> to the snd-aloopMonitor
>>>>>>>
>>>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>>>> the mail.
>>>>>>>

>>>>>>>
>>>>>>>
>>>>>>> ---
>>>>>>> To:n2adr-sdr@...m <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>
>>>>>>>
>>>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>>>>> rookie, but I'm learning (slowly!).
>>>>>>>
>>>>>>> Jim Bennett / W6JHB
>>>>>>> Folsom, CA
>>>>>>>
>>>>>>> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
<mailto:EricThorntonewthornton@...>
>>>>>>> <mailto:EricThorntonewthornton@... <mailto:EricThorntonewthornton@...>>
>>>>>>> <mailto:Thorntonewthornton@... <mailto:Thorntonewthornton@...>>
>>>>>>> <mailto:ewthornton@... <mailto:ewthornton@...>>[n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>>>> pulseaudio". Do the same for "pavucontrol".
>>>>>>>
>>>>>>> It should detect any alsa devices automatically. You will
>>>>>>> probably want to add a null sink as your wsjtx playback
>>>>>>> device and then use the nullsink.monitor stream for input to
>>>>>>> quisk.
>>>>>>>

>>>>>>> This definitely sounds like an audio routing problem.
>>>>>>>
>>>>>>> Eric
>>>>>>> ww4et
>>>>>>>
>>>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
<mailto:MIKEDURKINPatriot121@...>
>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]"
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> I have both working with Quisk 4.0.3 ....
>>>>>>>
>>>>>>>
>>>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>>>> working ....
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> ---
>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>
>>>>>>>
>>>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>>>> setup this way. Those two applications ARE sending the
>>>>>>> audio tones out as they should, because when I tell them
>>>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>>>
>>>>>>> I can put screen shots of my configurations up on the
>>>>>>> group's file section, if that will help.
>>>>>>>

>>>>>>> This whole thing is soooo close to working; I can send CW
>>>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>>>> signals very well. What the heck is up with the transmit
>>>>>>> part?
>>>>>>>
>>>>>>> Jim Bennett / W6JHB
>>>>>>> Folsom, CA
>>>>>>>
>>>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@... <mailto:Patriot121@...>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> Thought you were running latest version of quisk ....
>>>>>>>
>>>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte <https://aka.ms/blhgte>>
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>>>>>> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>><mailto:Bennettw6jhb@...
<mailto:Bennettw6jhb@...>>
>>>>>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>>>>
>>>>>>> Mike,
>>>>>>>
>>>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>>>> Running pavucontrol only gives me the built-in audio
>>>>>>> output port on the RPI. When I run alsamixer, it
>>>>>>> shows all the ALSA devices, including the Loopback
>>>>>>> device.
>>>>>>>
>>>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>>>> development team, I changed WSJTX output to go to the
>>>>>>> default / system output: the speakers on my monitor.
>>>>>>> Doing that produces a nice clean tone when I press
>>>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>>>> out the door, but Quisk doesn’t seem to be hearing
>>>>>>> it, or does not want to send it to the radio. It

>>>>>>> sends the stuff from the radio over to WSJTX and
>>>>>>> FLDIGI, but not the other way.
>>>>>>>
>>>>>>> Wonder what else in Quisk needs changing?
>>>>>>>
>>>>>>> Very strange.
>>>>>>>
>>>>>>> Jim
>>>>>>>
>>>>>>>
>>>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>>>>>> PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@msn.com>
>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> set the digital program to Tx tune ....
>>>>>>>
>>>>>>> then use pavucontrol and to see the levels
>>>>>>> between programs and see if the audio from wsjt-x
>>>>>>> is going where you want it to ....
>>>>>>>
>>>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>>>> the Tx audio thread disappears ...
>>>>>>>
>>>>>>> ---
>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>> Problem
>>>>>>>
>>>>>>>
>>>>>>> you don't have the audio routing done right
>>>>>>> ....
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> Probably (maybe) but it isn’t obvious to me.

>>>>>>>
>>>>>>> On Quisk I have the Digital Input and Digital
>>>>>>> Output both set to hw:3,0 and that’s what the
>>>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>>>> Configure—>Sound Card—>Audio—>Devices, I have
>>>>>>> both Capture and Playback set to hw:3,1.
>>>>>>>
>>>>>>> Doesn’t seem logical to me, but this is the way
>>>>>>> the documentation sez to set it up. As I said in
>>>>>>> my original post, FLDIGI and WSJT-X can both
>>>>>>> receive and decode signals very well. Rig control
>>>>>>> works on both applications (frequency changes and
>>>>>>> T/R switching). I just don’t get either one to
>>>>>>> make the OmniaSDR send any output. I’m using two
>>>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>>>> W, and 0-100mw. When set at the mw level the
>>>>>>> needed never moves, so for sure no RF is coming
>>>>>>> out.\
>>>>>>>
>>>>>>> If I set the OmniaSDR up for CW, it works just
>>>>>>> fine and produces a nice 1w signal, so it for
>>>>>>> sure can transmit with Quisk.
>>>>>>>
>>>>>>> What else can be wrong??
>>>>>>>
>>>>>>> Jim
>>>>>>>
>>>>>>>
>>>>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>>>>> 10:59 PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
>>>>>>> <mailto:MIKEDURKINPatriot121@...m <mailto:MIKEDURKINPatriot121@...>>
>>>>>>> <mailto:DURKINPatriot121@msn.com <mailto:DURKINPatriot121@...>>
>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>
>>>>>>>
>>>>>>> you don't have the audio routing done right
>>>>>>> ....
>>>>>>>
>>>>>>> ---
>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>

>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>> Problem
>>>>>>>
>>>>>>> OK guys, need some help here. I am running
>>>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>>>> My radio is an OmniaSDR. Quisk works great
>>>>>>> for me in CW mode by itself. My problem is
>>>>>>> with transmitting from either of those two
>>>>>>> digital applications.
>>>>>>>
>>>>>>> I set up a Quisk Radio file per the online
>>>>>>> documentation where I am using XML-RPC in
>>>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>>>> goes into transmit mode, but no RF flows.
>>>>>>>
>>>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>>>> the QUISK instructions. I get really great
>>>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>>>> with FLDIGI, pressing the Tune button in
>>>>>>> WSJT-X results in the radio going into
>>>>>>> transmit mode but no RF is generated.
>>>>>>>
>>>>>>> Since both of those applications fail to
>>>>>>> generate a signal, I'm thinking I have
>>>>>>> something set wrong in Quisk, but I sure
>>>>>>> can't figure out where it is. As a side note,
>>>>>>> all aspects of rig control appear to work
>>>>>>> great in both applications - just can't get a
>>>>>>> signal out to my antenna!
>>>>>>>
>>>>>>> Any hints would be appreciated.
>>>>>>>
>>>>>>> Jim Bennett / W6JHB
>>>>>>> Folsom, CA
>>>>>>>
>>>>>>>
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>>>>>>>
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>>>>>>>
>>>>>>
>>>>>>
>>>>>
>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>> Senior Staff Specialist, Cricket Coach
>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>>
>>>>>
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>> Yahoo Groups Links
>>>>>
>>>>>
>>>>> n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>>>
>>>>>
>>>>
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>> Senior Staff Specialist, Cricket Coach
>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>
>>>
>>>
>>> ------------------------------------
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>>> ------------------------------------
>>>
>>>

>>> ------------------------------------
>>>
>>> Yahoo Groups Links
>>>
>>>
>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>
>>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
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> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

2177. Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-03-30 19:38:09 UTC
From: jahlstr@...
Topic: 2173 Message: 2177

Hello,

Most options can be made in the radio configuration screens, but not all. The color scheme must be set in the config file. Read the file quisk_conf_defaults.py to see what can be changed. Copy lines from there to your config file.

Jim
N2ADR

2178. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-03-30 21:02:12 UTC
From: Robert Newberry
Topic: 2173 Message: 2178

Jim, thanks I did find that information and I uncommented the lines.

What I can't figure out is on the graph there is a white border around the edges of the graph. Where you would normally see the span of frequencies there isn't any its blank. I'd like to get those back. I've tried some trial and error with out luck. I'd also like to get rid of the white border. I can attach a screen shot if that would explain my problem better?

Is there anyone willing to share those settings?

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812

2179. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-03-31 00:16:58 UTC
From: Sid Boyce
Topic: 2145 Message: 2179

```
"sudo apt-get remove libhamlib2 libhamlib-utils" to get rid of the
packages from the repo.

In the file wsjtx/INSTALL -- Instead of --prefix=$home/hamlib-prefix I
use --prefix=/usr/local
-----------------------------------
$ mkdir ~/hamlib-prefix
$ cd ~/hamlib-prefix
$ git clone git://git.code.sf.net/u/bsomervi/hamlib src
$ cd src
$ git checkout integration
$ mkdir ../build
$ cd ../build
$ ../src/autogen.sh --prefix=/usr/local \
--disable-shared --enable-static \
--without-cxx-binding --disable-winradio \
CFLAGS="-fdata-sections -ffunction-sections" \
LDFLAGS="-Wl,--gc-sections"
$ make
$ make install
-------------------------------------------------
The above builds and installs hamlib files under /usr/local
# ls -l /usr/local/bin/rig*
-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl
-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld
-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
-rwxr-xr-x 1 root root 3162152 Mar 29 20:37 /usr/local/bin/rigmem
-rwxr-xr-x 1 root root 3219496 Mar 29 20:37 /usr/local/bin/rigsmtr
-rwxr-xr-x 1 root root 3128792 Mar 29 20:37 /usr/local/bin/rigswr

# ls -l /usr/local/bin/*wsjtx*
-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
-rwxr-xr-x 1 root root 6199608 Mar 29 21:43 /usr/local/bin/wsjtx
# ls -l /usr/local/lib/libhamlib*
-rw-r--r-- 1 root root 5571734 Mar 29 20:37 /usr/local/lib/libhamlib.a
-rwxr-xr-x 1 root root 910 Mar 29 20:37 /usr/local/lib/libhamlib.la

In the section on building wsjtx --- Changed CMAKE_PREFIX_PATH to /usr/local
-----------------------------------------------
$ mkdir -p ~/wsjtx-prefix/build
$ cd ~/wsjtx-prefix
$ svn checkout svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx src

To build WSJT-X you will need CMake and asciidoc installed.
```

```
$ cd ~/wsjtx-prefix/build
$ cmake -D CMAKE_PREFIX_PATH=/usr/local ../src
$ cmake --build .
$ cmake --build . --target install
73 ... Sid.

On 30/03/16 05:13, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid,
>
>
> See interspersed, below:
>> On Tuesday, Mar 29, 2016, at Tuesday, 4:08 PM, Sid Boyce
>> g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> You have installed hamlib in $home/hamlib3/bin
>> What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?
> I get nothing after running this, so I assume it found no hit on that
> word.
>>
>> Possibly you still have the old hamlib packages installed -- "dpkg -S
>> `which rigctl`"
>> "dpkg -l | grep hamlib" will list the packages, "apt-get remove
>> <packages>" will get rid of them.
> I ran a list of them and here is what it returned:
>
> pi@raspberrypi:~ $ dpkg -l | grep hamlib
> ii libhamlib-utils 1.2.15.3-2+b1 armhf Utilities to
> support the hamlib radio control library
> ii libhamlib2 1.2.15.3-2+b1 armhf Run-time
> library to control radio transceivers and receivers
> pi@raspberrypi:~ $
>
>
> So - looks to me like the only thing I have is hamlib v2, correct? And
> if I do the "apt-get remove xxxxxxxxx? they?ll be gone.
>
> You are showing ?prefix=/usr/local for the hamlib stuff. Sorry, but
> I?m confused - how will the hamlib files get installed into that location?
>
> Jim
>
>
>>
>> I chose "--prefix=/usr/local" so the binaries get installed in
>> /usr/local/bin which is a regular PATH for executables.
>> 73 ... Sid.
>>
>> On 29/03/16 22:51, James Bennettw6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
```

>>>
>>> Sid - one of the questions I have is why I don?t have a Peaberry V2
>>> entry in my Hamlib drop downs.
>>>
>>>
>>> Yes, the WSJTX build is a pretty long process; I did it last week,
>>> several times! I used a procedure from Bill G4WJS. The hamlib part of
>>> it (done prior to the make of wsjtx), per his documentation was:
>>>
>>> mkdir ~/hamlib3
>>> cd ~/hamlib3
>>> git clone git://git.code.sf.net/u/bsomervi/hamlib src
>>> cd src
>>> git checkout integration
>>> mkdir ../build
>>> cd ../build
>>>
>>> ../src/autogen.sh ?prefix=$home/hamlib3 ??..> and then the same stuff
>>> as your
>>>
>>> So, I?m wondering how I wound up with a version of hamlib that doesn?t
>>> seem to have the most recent list of rigs? How can I tell exactly what
>>> I?ve gotten by using the above procedures?
>>>
>>> If I need to re-do hamlib and re-compile wsjtx, that?s no biggie, I
>>> feel pretty comfortable doing that now.
>>>
>>> Jim / W6JHB
>>>
>>>
>>>> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
>>>> g3vbv@...
>>>> <mailto:g3vbv@...><mailto:g3vbv@...>
>>>> [n2adr-sdr]
>>>> <n2adr-sdr@yahoogroups.com
>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>> wrote:
>>>>
>>>> wsjtx is a long build. The INSTALL file is not too bad but could be
>>>> simpler.
>>>>
>>>> There were a number of pre-req packages, asciidoctor and asciidoc bring
>>>> in lots of other packages, cmake suggests an option to make to ignore
>>>> wsjtx manpages.
>>>> All the files listed here are all the ones I installed when complaints
>>>> seen in cmake and make plus others such as rtl-sdr and other stuff I
>>>> have been installing.
>>>>
>>>> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
>>>> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \

>>>> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
>>>> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
>>>> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor
>>>> asciidoc
>>>> libudev-dev
>>>>
>>>> For hamlib
>>>> ----------------
>>>> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
>>>> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
>>>> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>>>>
>>>> For wsjtx
>>>> --------------
>>>> root@odroid64:/usr/src/wsjtx/build# cmake -D
>>>> CMAKE_PREFIX_PATH=/usr/local ..
>>>>
>>>>
>>>> Near the end make can't find libudev ---- "ln -sf
>>>> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
>>>> -- Install configuration: "RELEASE"
>>>> -- Installing: /usr/local/bin/wsjtx
>>>> -- Installing: /usr/local/bin/jt9
>>>> -- Installing: /usr/local/bin/jt65code
>>>> -- Installing: /usr/local/bin/jt9code
>>>> -- Installing: /usr/local/bin/jt4code
>>>> -- Installing: /usr/local/bin/wsprd
>>>> -- Installing: /usr/local/bin/message_aggregator
>>>> -- Installing: /usr/local/bin/udp_daemon
>>>> -- Installing: /usr/local/bin/rigctl-wsjtx
>>>> -- Installing: /usr/local/bin/rigctld-wsjtx
>>>> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
>>>> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
>>>> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
>>>> 73 ... Sid.
>>>>
>>>>
>>>> On 29/03/16 00:41, JamesBennettw6jhb@...
>>>> <mailto:Bennettw6jhb@...>
>>>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>>>
>>>>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>>>>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>>>>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>>>>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>>>>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>>>>> Unfortunately, the version of Hamlib that I?ve gotten does not have an
>>>>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>>>>> thing. So, after several email exchanges with folks in this Yahoo
>>>>> group and the Omnia Yahoo group, I reluctantly went the rout of having

>>>>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>>>>
>>>>>
>>>>> I would LOVE to figure out how to avoid this, as it has cost me untold
>>>>> hours of grief and I am still not at the point where it is working
>>>>> satisfactorily.
>>>>>
>>>>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>>>>> to work w/o going through Quisk would be greatly appreciated.
>>>>>
>>>>> p.s. - I have no beef with Quisk - it is a great piece of software and
>>>>> I do enjoy using it for QRPp CW contacts?
>>>>>
>>>>> Jim / W6JHB
>>>>>
>>>>>
>>>>>
>>>>>
>>>>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>>> <mailto:g3vbv@...><mailto:g3vbv@...>
>>>>>> [n2adr-sdr]
>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>> wrote:
>>>>>>
>>>>>> Why not run wsjtx standalone?
>>>>>>
>>>>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>>>>> before Jim wrote up how to use them with quisk.
>>>>>> 73 ... Sid.
>>>>>>
>>>>>> On 29/03/16 00:04,JamesBennettw6jhb@...
>>>>>> <mailto:JamesBennettw6jhb@...>
>>>>>> <mailto:Bennettw6jhb@...>
>>>>>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>>>>>>>
>>>>>>> Just as an FYI, I?m using an RPi3 which has a bit more
>>>>>>> horsepower than
>>>>>>> the V2. But, perhaps that?s still not enough?.
>>>>>>>
>>>>>>>
>>>>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works
>>>>>>> great.
>>>>>>> Very little latency, almost no choppiness in the audio to my
>>>>>>> headphones:
>>>>>>>

>>>>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>>>
>>>>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>>>>
>>>>>>> The above results in fine decoding, as I mentioned. But the audio
>>>>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>>>>> button in WSJTX. Note that those selections are NOT the sink
>>>>>>> loopback
>>>>>>> that was suggested by Eric, WW4ET.
>>>>>>>
>>>>>>> It sure seems that there ought to be some setting between these two
>>>>>>> applications that would make the audio flow to Quisk for
>>>>>>> transmit. If
>>>>>>> we can?t figure this out, then using Quisk 4.0.4 and WSJTX
>>>>>>> 1.7.0-devel
>>>>>>> for receiving and transmit on an RPi3 simply isn?t gonna
>>>>>>> happen., and
>>>>>>> I?ll be relegated to having a receive-only WSPR setup.
>>>>>>>
>>>>>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>>>>>
>>>>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>>>>> Patriot121@...
>>>>>>>> <mailto:Patriot121@...><mailto:Patriot121@...>
>>>>>>>> <mailto:Patriot121@...><mailto:Patriot121@...> [n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> I think that is something to do with the P2 ... not having quite
>>>>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>>>>
>>>>>>>> Try closing the wsjt waterfall ...
>>>>>>>>
>>>>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>>>>> most latency being from the lack of GPU horses to do the
>>>>>>>> lifting ....
>>>>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>>>>
>>>>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>>>>> performance ...
>>>>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>>>>> ....
>>>>>>>>
>>>>>>>> --
>>>>>>>> To:n2adr-sdr@yahoogroups.com

>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>
>>>>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>>>>
>>>>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>>>>> behold, I can now receive and send WSPR2. That was the good
>>>>>>>> news. The
>>>>>>>> bad news is that there is a pretty large latency issue on the
>>>>>>>> receive
>>>>>>>> end. I?ll do some reading and maybe play around with Quisk settings
>>>>>>>> to see if there are any tweaks I can make to fix this. Before
>>>>>>>> adding
>>>>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>>>>> Now it is pretty bad - I can hear really choppy audio in my
>>>>>>>> headphones.
>>>>>>>>
>>>>>>>> Any suggestions?
>>>>>>>>
>>>>>>>> Tnx, Jim / W6JHB
>>>>>>>>
>>>>>>>>
>>>>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>>>>> DURKINPatriot121@...
>>>>>>>> <mailto:DURKINPatriot121@...><mailto:DURKINPatriot121@...>
>>>>>>>> <mailto:DURKINPatriot121@...><mailto:Patriot121@...>[n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> you should be able to use the snd-aloop ... i do .... between
>>>>>>>> quisk and wsjt
>>>>>>>>
>>>>>>>> I had to rebuild my kernel to enable it ....
>>>>>>>> Least that's what Sid had me do some time ago ...
>>>>>>>>
>>>>>>>>
>>>>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>>>>> set to the snd-aloop ....

>>>>>>>>
>>>>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>>>>> not static and will not remain)
>>>>>>>>
>>>>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>>>>> to the snd-aloopMonitor
>>>>>>>>
>>>>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>>>>> the mail.
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> ---
>>>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>
>>>>>>>>
>>>>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>>>>> that way. It's a struggle for me, as I'm most certainly a Linux
>>>>>>>> rookie, but I'm learning (slowly!).
>>>>>>>>
>>>>>>>> Jim Bennett / W6JHB
>>>>>>>> Folsom, CA
>>>>>>>>
>>>>>>>> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
>>>>>>>> <mailto:EricThorntonewthornton@...>
>>>>>>>> <mailto:EricThorntonewthornton@...>
>>>>>>>> <mailto:Thorntonewthornton@...>
>>>>>>>> <mailto:ewthornton@...>[n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>>>>> pulseaudio". Do the same for "pavucontrol".

>>>>>>>>
>>>>>>>> It should detect any alsa devices automatically. You will
>>>>>>>> probably want to add a null sink as your wsjtx playback
>>>>>>>> device and then use the nullsink.monitor stream for input to
>>>>>>>> quisk.
>>>>>>>>
>>>>>>>> This definitely sounds like an audio routing problem.
>>>>>>>>
>>>>>>>> Eric
>>>>>>>> ww4et
>>>>>>>>
>>>>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:DURKINPatriot121@...>
>>>>>>>> <mailto:Patriot121@...>[n2adr-sdr]"
>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> I have both working with Quisk 4.0.3 ....
>>>>>>>>
>>>>>>>>
>>>>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>>>>> working ....
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> ---
>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>
>>>>>>>>
>>>>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>>>>> setup this way. Those two applications ARE sending the
>>>>>>>> audio tones out as they should, because when I tell them
>>>>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>>>>

>>>>>>>> I can put screen shots of my configurations up on the
>>>>>>>> group's file section, if that will help.
>>>>>>>>
>>>>>>>> This whole thing is soooo close to working; I can send CW
>>>>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>>>>> signals very well. What the heck is up with the transmit
>>>>>>>> part?
>>>>>>>>
>>>>>>>> Jim Bennett / W6JHB
>>>>>>>> Folsom, CA
>>>>>>>>
>>>>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@...
>>>>>>>> <mailto:Patriot121@...>
>>>>>>>> <mailto:Patriot121@...>
>>>>>>>> <mailto:Patriot121@...>
>>>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> Thought you were running latest version of quisk ....
>>>>>>>>
>>>>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte>
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>>>>>>> <mailto:Bennettw6jhb@...><mailto:Bennettw6jhb@...>
>>>>>>>> <mailto:w6jhb@...>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>>>>>
>>>>>>>> Mike,
>>>>>>>>
>>>>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>>>>> Running pavucontrol only gives me the built-in audio
>>>>>>>> output port on the RPI. When I run alsamixer, it
>>>>>>>> shows all the ALSA devices, including the Loopback
>>>>>>>> device.
>>>>>>>>
>>>>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>>>>> development team, I changed WSJTX output to go to the
>>>>>>>> default / system output: the speakers on my monitor.

>>>>>>>> Doing that produces a nice clean tone when I press
>>>>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>>>>> out the door, but Quisk doesn?t seem to be hearing
>>>>>>>> it, or does not want to send it to the radio. It
>>>>>>>> sends the stuff from the radio over to WSJTX and
>>>>>>>> FLDIGI, but not the other way.
>>>>>>>>
>>>>>>>> Wonder what else in Quisk needs changing?
>>>>>>>>
>>>>>>>> Very strange.
>>>>>>>>
>>>>>>>> Jim
>>>>>>>>
>>>>>>>>
>>>>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>>>>>>> PM,MIKEDURKINPatriot121@...
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:DURKINPatriot121@...>
>>>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>
>>>>>>>>
>>>>>>>> set the digital program to Tx tune ....
>>>>>>>>
>>>>>>>> then use pavucontrol and to see the levels
>>>>>>>> between programs and see if the audio from wsjt-x
>>>>>>>> is going where you want it to ....
>>>>>>>>
>>>>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>>>>> the Tx audio thread disappears ...
>>>>>>>>
>>>>>>>> ---
>>>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>>> Problem

>>>>>>>>
>>>>>>>>
>>>>>>>> you don't have the audio routing done right
>>>>>>>> ....
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> Probably (maybe) but it isn?t obvious to me.
>>>>>>>>
>>>>>>>> On Quisk I have the Digital Input and Digital
>>>>>>>> Output both set to hw:3,0 and that?s what the
>>>>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>>>>> Configure?>Sound Card?>Audio?>Devices, I have
>>>>>>>> both Capture and Playback set to hw:3,1.
>>>>>>>>
>>>>>>>> Doesn?t seem logical to me, but this is the way
>>>>>>>> the documentation sez to set it up. As I said in
>>>>>>>> my original post, FLDIGI and WSJT-X can both
>>>>>>>> receive and decode signals very well. Rig control
>>>>>>>> works on both applications (frequency changes and
>>>>>>>> T/R switching). I just don?t get either one to
>>>>>>>> make the OmniaSDR send any output. I?m using two
>>>>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>>>>> W, and 0-100mw. When set at the mw level the
>>>>>>>> needed never moves, so for sure no RF is coming
>>>>>>>> out.\
>>>>>>>>
>>>>>>>> If I set the OmniaSDR up for CW, it works just
>>>>>>>> fine and produces a nice 1w signal, so it for
>>>>>>>> sure can transmit with Quisk.
>>>>>>>>
>>>>>>>> What else can be wrong??
>>>>>>>>
>>>>>>>> Jim
>>>>>>>>
>>>>>>>>
>>>>>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>>>>>> 10:59 PM,MIKEDURKINPatriot121@...
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:MIKEDURKINPatriot121@...>
>>>>>>>> <mailto:DURKINPatriot121@...>
>>>>>>>> <mailto:Patriot121@...>[n2adr-sdr]
>>>>>>>> <n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>>>>>>
>>>>>>>>

>>>>>>>> you don't have the audio routing done right
>>>>>>>> ....
>>>>>>>>
>>>>>>>> ---
>>>>>>>> To:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> From:n2adr-sdr@yahoogroups.com
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>>> Problem
>>>>>>>>
>>>>>>>> OK guys, need some help here. I am running
>>>>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>>>>> My radio is an OmniaSDR. Quisk works great
>>>>>>>> for me in CW mode by itself. My problem is
>>>>>>>> with transmitting from either of those two
>>>>>>>> digital applications.
>>>>>>>>
>>>>>>>> I set up a Quisk Radio file per the online
>>>>>>>> documentation where I am using XML-RPC in
>>>>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>>>>> goes into transmit mode, but no RF flows.
>>>>>>>>
>>>>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>>>>> the QUISK instructions. I get really great
>>>>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>>>>> with FLDIGI, pressing the Tune button in
>>>>>>>> WSJT-X results in the radio going into
>>>>>>>> transmit mode but no RF is generated.
>>>>>>>>
>>>>>>>> Since both of those applications fail to
>>>>>>>> generate a signal, I'm thinking I have
>>>>>>>> something set wrong in Quisk, but I sure
>>>>>>>> can't figure out where it is. As a side note,
>>>>>>>> all aspects of rig control appear to work
>>>>>>>> great in both applications - just can't get a
>>>>>>>> signal out to my antenna!
>>>>>>>>
>>>>>>>> Any hints would be appreciated.
>>>>>>>>
>>>>>>>> Jim Bennett / W6JHB

>>>>>>>> Folsom, CA
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>>>>>>
>>>>>>
>>>>>> --
>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>>>
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>>>>>> ------------------------------------
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>>>>>> ------------------------------------
>>>>>>
>>>>>> Yahoo Groups Links
>>>>>>
>>>>>>
>>>>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>>>
>>>>>>
>>>>>
>>>>
>>>>
>>>> --
>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

>>>> Senior Staff Specialist, Cricket Coach
>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>>>> Yahoo Groups Links
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>>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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>> --
>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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>> Senior Staff Specialist, Cricket Coach
>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>> Yahoo Groups Links
>>
>>
>> n2adr-sdr-fullfeatured@yahoogroups.com
>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2180. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-01 12:29:28 UTC
From: g0vvf@...
Topic: 2173 Message: 2180

hi Robert.

I have the same problem but using Linux.
Version 4.0.3 works OK, but version 4.0.4 has the problem on Pepprmint Linux,and Mint 17.3 but Penguy linux works OK on 4.0.3 and 4.0.4. Using the same dark .quisk.conf.py on all systems.

Dave.
g0vvf

2181. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-01 15:54:35 UTC
From: Robert Newberry
Topic: 2173 Message: 2181

Dave,
I am using ubuntu 14.04 LTS. I commented out the defualt theme and just un-commented the dark color theme. It works, but with the issues I previously mentioned. I still haven't figured out why. I am also using quisk 4.0.4.

Dave are you also having the same issue I am having? Such as the dark color theme works but with a white border around the graph and no span of frequencies at the bottom of the graph?

I've tried changing a bit here and there with out any luck getting what I want.

On Fri, Apr 1, 2016 at 8:29 AM, g0vvf@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> hi Robert.
>
> I have the same problem but using Linux.
> Version 4.0.3 works OK, but version 4.0.4 has the problem on Pepprmint
> Linux,and Mint 17.3 but Penguy linux works OK on 4.0.3 and 4.0.4. Using
> the same dark .quisk.conf.py on all systems.
>
> Dave.
> g0vvf
>
>
>

2182. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-01 18:59:06 UTC
From: David Turner
Topic: 2173 Message: 2182

Robertyes just the same blanks out frequency display and up each side of Graph or waterfall display.Quisk 4.0.4 works OK on 15.1 Pinguy Linux.
Sorry I don't know the answer to the problem.
Daveg0vvf

2183. Quisk stuck

Yahoo group: n2adr-sdr
Date: 2016-04-03 18:28:39 UTC
From: Robert Newberry
Topic: 2183 Message: 2183

I read the other day if you mess up your config. There is a way to still load the program. I've looked around and can not find that information again.

I installed a new sound card, now when I load quisk it hangs up frozen.

Thank you

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2184. Re: [n2adr-sdr] Quisk stuck

Yahoo group: n2adr-sdr
Date: 2016-04-03 18:55:10 UTC
From: <Patriot121@...>
Topic: 2183 Message: 2184

In terminal ... usally in folder for quisk

Python quisk.py -a

Sent from Outlook Mobile

On Sun, Apr 3, 2016 at 11:28 AM -0700, "Robert Newberry n1xbm@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

I read the other day if you mess up your config. There is a way to still load the program. I've looked around and can not find that information again.

I installed a new sound card, now when I load quisk it hangs up frozen.

Thank you

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2185. Re: [n2adr-sdr] Quisk stuck

Yahoo group: n2adr-sdr
Date: 2016-04-03 19:44:24 UTC
From: Sid Boyce
Topic: 2183 Message: 2185

Rename or remove ~/.quisk_conf.py and ~/quisk_settings.json, start
quisk and use the Config button to setup a new Radio if ConfigFileRadio
is not correct.
73 ... Sid.

On 03/04/16 19:55, Patriot121@... [n2adr-sdr] wrote:
>
> In terminal ... usally in folder for quisk
>
> Python quisk.py -a
>
> Sent from Outlook Mobile <https://aka.ms/blhgte>
>
>
>
>
> On Sun, Apr 3, 2016 at 11:28 AM -0700, "Robert Newberry
> n1xbm@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> I read the other day if you mess up your config. There is a way to
> still load the program. I've looked around and can not find that
> information again.
>
> I installed a new sound card, now when I load quisk it hangs up frozen.
>
> Thank you
>
> N1XBM
> Apparare Scientor
> Paratus Communicare
> Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2186. Re: quisk display problem

Yahoo group: n2adr-sdr
Date: 2016-04-03 19:57:25 UTC
From: Sid Boyce
Topic: 2186 Message: 2186

Hi Jim,
Nothing is truncated as I thought.
Figured it out --- Click the Graph button and it reveals the other
options such as Wfall, Config, etc., the same for band selection and e.g
the USB button to reveal LSB/CW/DGT-U/FDV-U, etc.
73 ... Sid.

On 03/04/16 20:38, Sid Boyce wrote:
> On a 7 inch touch LCD I am not getting all the buttons displayed.
> On the standalone HiQSDR it all fits in - Ubuntu 15.10 on Pi 2.
>
> I altered the button sizes but they still appear the same length
> normal or full screen display.
> I altered the initial screen to "Small screen" Ubuntu 16.04 on ODROID-C2.
>
> boot.ini was: setenv m "800x480p60hz"
> Changed to: setenv m "640x480p60hz"
>
> # HDMI BPP Mode
> setenv m_bpp "32"
> # setenv m_bpp "24"
> # setenv m_bpp "16"
>
> The 20:35:08 screenshot is the latest 640x480.
>
> 73 ... Sid.
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2187. Re: Quisk stuck

Yahoo group: n2adr-sdr
Date: 2016-04-04 13:36:26 UTC
From: jahlstr@...
Topic: 2183 Message: 2187

Hello,

Here is how to start Quisk with ConfigFileRadio:

Start quisk with the -a or --ask command line option to cause it to ask for the startup radio. That is, start quisk with "python quisk.py --ask" or "C:\python27\python.exe quisk.py --ask". Then specify ConfigFileRadio as the startup radio. Change the startup radio to "Ask me" until you get things fixed.

Then you can change your config file until things work again.

Jim
N2ADR

2188. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-04 13:39:51 UTC
From: jahlstr@...
Topic: 2173 Message: 2188

Hello Dave,

The dark color scheme in the config file was contributed code. More colors were added, but the dark scheme was not updated. Note the "colors are incomplete" comment at the end. You will need to add the missing colors to get it to work.

Jim
N2ADR

2189. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-04 16:09:00 UTC
From: David Turner
Topic: 2173 Message: 2189

Jim
The difference between quisk 4.0.3 and 4.0.4 if you change the line 1352 color_graph, in quisk_conf_ defaults.py say from lemmonchiffon to blue,on 403 the graph screen and the boarder changes, on 404 only the graph screen changes,the boarder is a different color.it is this boarder that is causing the problem.This is on the normal display not the dark button display.(I know I shoudn't be playing in conf_defaults.py file but it is the only way I can describe It).
Dave.g0vvf.

2190. Re: [n2adr-sdr] Re: Quisk stuck

Yahoo group: n2adr-sdr
Date: 2016-04-05 01:35:14 UTC
From: Robert Newberry
Topic: 2183 Message: 2190

Thanks guys that was the ticket.

On Mon, Apr 4, 2016 at 9:36 AM, jahlstr@gmail.com [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello,
>
> Here is how to start Quisk with ConfigFileRadio:
>
> Start quisk with the -a or --ask command line option to cause it to ask
> for the startup radio. That is, start quisk with "python quisk.py --ask" or
> "C:\python27\python.exe quisk.py --ask". Then specify ConfigFileRadio as
> the startup radio. Change the startup radio to "Ask me" until you get
> things fixed.
>
> Then you can change your config file until things work again.
>
> Jim
> N2ADR
>
>
>

2191. Re Dark backgronnd

Yahoo group: n2adr-sdr
Date: 2016-04-05 12:35:44 UTC
From: David Turner
Topic: 2191 Message: 2191

Jim.
I found If I # out line 1422 dc.Clear ( ) in quisk.py the problem goes away.Hope this helps.
Dave.g0vvf

2192. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-05 14:48:19 UTC
From: jahlstr@...
Topic: 2173 Message: 2192
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Dave,

Here is a screen shot of what happens when I change "color_graph" to 'light blue' in quisk_conf_defaults.py. This is on Ubuntu 14.04 LTS. Please reply with a screen shot of what happens when you do it. If anyone else has some screen shots of the problem, that would help too.

Jim
N2ADR

2193. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-05 18:28:11 UTC
From: David Turner
Topic: 2173 Message: 2193

Jim.
photos using black instead of blue. Dark screen.
403.png

| |
| | | | | | | |
| 403.pngShared with Dropbox |
| |
| View on www.dropbox.com | Preview by Yahoo |
| |
| |

Did you see my latest email I found if I remove line 1422 dc.clear ( ) in quisk.py ,boarder returns to black, or what ever graph color is,so solves the problem.

https://www.dropbox.com/s/7w45toyfl7re5v0/403.png?dl=0

Dave g0vvf

2194. Re Dark background Quisk-4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-06 09:40:27 UTC
From: David Turner
Topic: 2194 Message: 2194

Jim.This is the pictures of quisk 4.0.4 .The only difference to the programe is # added to line 1422 Quisk.py file.I don't know what this line does (dc.Clear ( )) but it makes a big difference without it.Hope this helps.
Dave g0vvf.
https://www.dropbox.com/s/7kxg8ytweeckuym/quisk%20404.png?dl=0

2195. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-06 13:01:22 UTC
From: jahlstr@...
Topic: 2173 Message: 2195

Hello David,

I added line 1422 dc.clear ( ) in quisk.py because Ubuntu 14 won't work without it. It looks like there is a difference in our version of wxPython. Could you please thpe this into a terminal and tell me your version of wx? I could also use the versions from other people that are having this problem.

```
python
import wx
wx
wx.version()
```

Jim
N2ADR

2196. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-07 05:56:47 UTC
From: David Turner
Topic: 2173 Message: 2196

Jim.
wx.versions.

Voyager X2 = 2.8.12.1 (gtk2-unicode)Peppermint = 2.8.12.1 (gtk2-unicode)Mint 17.1 = 2.8.12.1 (gtk2-unicode)Mint 17.3 = 2.8.12.1 (gtk2-unicode)
Pinguy 15.1 = 3.0.2.0 (gtk2 (classic)   This works OK.
Daveg0vvf.

2197. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-07 10:22:16 UTC
From: Robert Newberry
Topic: 2173 Message: 2197

I can chime in on the version I have later tonight. I am having the exact same problem.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Apr 7, 2016 2:03 AM, "David Turner g0vvf@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Jim.
>
> wx.versions.
>
> Voyager X2 = 2.8.12.1 (gtk2-unicode)
> Peppermint = 2.8.12.1 (gtk2-unicode)
> Mint 17.1 = 2.8.12.1 (gtk2-unicode)
> Mint 17.3 = 2.8.12.1 (gtk2-unicode)
>
> Pinguy 15.1 = 3.0.2.0 (gtk2 (classic) This works OK.
>
> Dave
> g0vvf.
>
>
>

2198. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-07 13:36:58 UTC
From: jahlstr@...
Topic: 2173 Message: 2198

Hello Dave,

I installed wx 2.8 and I see the same problem. 3.0 works OK. I need to change the code so that it works on both 2.8 and 3.0. I will send out a new version today or tomorrow.

Jim
N2ADR

2199. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-07 14:37:36 UTC
From: David Turner
Topic: 2173 Message: 2199

Jim.
Thanks for your time,and trouble.(It should solve Roberts problem as well.)

Thanks again.
Dave.g0vvf

2200. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-07 14:56:49 UTC
From: Robert Newberry
Topic: 2173 Message: 2200

Ya I was starting to feel foolish because I'm getting replies saying "works fine for me" or "I'm doing it wrong" So I was getting discouraged. I'm glad the problem got hashed out.

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

On Apr 7, 2016 10:51 AM, "David Turner g0vvf@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Jim.
>
> Thanks for your time,and trouble.(It should solve Roberts problem as
> well.)
>
> Thanks again.
> Dave.
> g0vvf
>
>

2201. Quisk Version 4.0.5 April 2016

Yahoo group: n2adr-sdr
Date: 2016-04-07 18:15:09 UTC
From: jahlstr@...
Topic: 2201 Message: 2201

I added a new column to the Bands screen for transverter offset. I added the favorites file path to the Options radio screen. If you leave this blank, the default is used. I fixed a bug that caused a difference in drawing the graph screen between wx 2.8 and wx 3.0. I added additional sample rates 1536 and 1920 ksps.

Jim

N2ADR

2202. Need assistance with quisk

Yahoo group: n2adr-sdr
Date: 2016-04-09 02:53:34 UTC
From: Robert Newberry
Topic: 2202 Message: 2202

I'm hoping there is someone here who can help me get out of the ditch I'm in. I have been struggling for the last few weeks to get quisk going on my PC running ubuntu 14.04. I bought a asus pci-e sound card and I have had a woeful time getting it going. It works in terms of I can play music with it, but working with quisk is another story.

On the new install without any configuration everything loads and I can see band activity. The volume is extremely low. Turning the speaker volume up full blast I still have to put my ear to the speaker.

So once I configure things and restart quisk it either freezes. Or I try reconfiguring by picking other sound devices and those produce, different and undesirable results.

I'm getting very confused and discouraged that I can not make this work and I can not figure out why. I'm hoping there is someone out who might be able to take the time to straighten me out.

Thank you

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2203. FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2016-04-09 07:22:34 UTC
From: gvjury@...
Topic: 2203 Message: 2203

Hi Jim and group,

I just had to post on my first FreeDV QSO with VK3RV and VK3FPL/4. I sure was bubbling over with excitement after hours and hours of listening to the nominal frequencies for FreeDV over many days and not hearing a thing I managed to have an hour long QSO. What a fabulous facility you have provided Jim and after 55 years of ham radio you have brought me the same thrill I got from my first QSO on an old war surplus man pack set type 38. Things sure have come a long way and thanks for helping with the ride.

Oh yes BTW Quisk 4.0.5 fixed all the dark theme issues perfectly.

73, Graeme ZL2APV

2204. Re: [n2adr-sdr] Re: Quisk dark color scheme 4.0.4

Yahoo group: n2adr-sdr
Date: 2016-04-09 13:12:12 UTC
From: Robert Newberry
Topic: 2173 Message: 2204

Version 4.0.5 fixed my problem with the dark color theme. Thank you

N1XBM
Apparare Scientor
Paratus Communicare
Allstar Node # 27086, 41540, 41812, 42086, 42658, 42657

2205. Re: [n2adr-sdr] FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2016-04-09 21:02:25 UTC
From: Sid Boyce
Topic: 2203 Message: 2205

Hi Graeme,
Excellent news - that's why quisk is "the" app.

I hadn't tried FreeDV in a long time, must try it more often now the band conditions are much better. Just now tried 1200 mode on 14.236 but there is no FreeDV activity currently but the band is alive with Stateside stations.
73 ... Sid.

On 09/04/16 08:22, gvjury@... [n2adr-sdr] wrote:
>
> Hi Jim and group,
>
>
> I just had to post on my first FreeDV QSO with VK3RV and VK3FPL/4. I
> sure was bubbling over with excitement after hours and hours of
> listening to the nominal frequencies for FreeDV over many days and not
> hearing a thing I managed to have an hour long QSO. What a fabulous
> facility you have provided Jim and after 55 years of ham radio you
> have brought me the same thrill I got from my first QSO on an old war
> surplus man pack set type 38. Things sure have come a long way and
> thanks for helping with the ride.
>
>
> Oh yes BTW Quisk 4.0.5 fixed all the dark theme issues perfectly.
>
>
> 73, Graeme ZL2APV
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2206. Re: FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2016-04-09 21:12:08 UTC
From: gvjury@...
Topic: 2203 Message: 2206
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Sid,

Nice to hear from you and yes I spent a lot of time monitoring 14.236 and 14.240 to no avail. Perhaps those of us running Quisk should try to make contact. It is a difficult haul from ZL to G but maybe we could try and I have attached a propagation prediction for our path.

73, Graeme ZL2APV

2207. Re: [n2adr-sdr] Re: FreeDV on Quisk [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2016-04-09 22:02:51 UTC
From: Sid Boyce
Topic: 2203 Message: 2207

I have had one HiQSDR 10W 5 minute SSB QSO on 20m to ZL one afternoon
either last year or the year before.
I called not expecting him to come back but we had a pleasant QSO with
my report a solid 57.

I also had a couple QSO's to VK.

I had the BGA616 on the HiQSDR board die and blew the tracks so I built
a new BGA616 driver on a small piece of PCB, still to get around to
checking it out on TX again.

Got some repair work to do on the driven element of the 2-el Quad now
I've got it wound down.
73 ... Sid.

On 09/04/16 22:12, gvjury@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Nice to hear from you and yes I spent a lot of time monitoring 14.236
> and 14.240 to no avail. Perhaps those of us running Quisk should try
> to make contact. It is a difficult haul from ZL to G but maybe we
> could try and I have attached a propagation prediction for our path.
>
> 73, Graeme ZL2APV
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2208. Re: FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2016-04-12 12:09:39 UTC
From: jahlstr@...
Topic: 2203 Message: 2208

Hello Graeme,

Thanks for the kind words. I am glad Quisk continues to be relevant, and I plan to continue to support it. And congratulations to all the Raspberry Pi people who ported Quisk to that platform.

Jim
N2ADR

2209. Re: Need assistance with quisk

Yahoo group: n2adr-sdr
Date: 2016-04-12 14:46:40 UTC
From: n1xbm@...
Topic: 2202 Message: 2209

I just wanted to close this out. Some good folks on this list replied to me directly and I was able to get things going. After the dust settled it was all about getting my sound card working and choosing the right "ins and outs" in the software. Once I had that going I had to go into the daemon in ubuntu and turn up the sample rate to take advantage of the nice asus sound card I purchased. Everything seems to be under control now.

Thanks to all who replied.

2210. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-04-12 18:47:47 UTC
From: James Bennett
Topic: 2145 Message: 2210

Sid - I finally got back to attacking this problem of having the wrong hamlib installed - been busy doing some woodworking.

I successfully (I think) removed the old hamlib-2 stuff and then re-did the installs, using your adjusted method. All was going along fine until it got to the part of building WSJTX. Below is a copy/paste of the ugly part. Any idea (1) what is ludev, (2) why it isn't found with the modified steps, (3) how to resolve the problem?

```
.
..
...
[ 94%] Building CXX object CMakeFiles/wsjtx.dir/Configuration.cpp.o
[ 95%] Building CXX object CMakeFiles/wsjtx.dir/main.cpp.o
[ 95%] Building CXX object CMakeFiles/wsjtx.dir/wsprnet.cpp.o
[ 95%] Building CXX object CMakeFiles/wsjtx.dir/WSPRBandHopping.cpp.o
[ 95%] Building CXX object CMakeFiles/wsjtx.dir/qrc_wsjtx.cpp.o
[ 96%] Building CXX object CMakeFiles/wsjtx.dir/wsjtx_automoc.cpp.o
Linking CXX executable wsjtx
/usr/bin/ld: cannot find -ludev
collect2: error: ld returned 1 exit status
CMakeFiles/wsjtx.dir/build.make:987: recipe for target 'wsjtx' failed
make[2]: *** [wsjtx] Error 1
CMakeFiles/Makefile2:1208: recipe for target 'CMakeFiles/wsjtx.dir/all' failed
make[1]: *** [CMakeFiles/wsjtx.dir/all] Error 2
Makefile:137: recipe for target 'all' failed
make: *** [all] Error 2
pi@raspberrypi:~/~wsjtx-1.7/build $
```

Jim / W6JHB

> On Wednesday, Mar 30, 2016, at Wednesday, 5:16 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> "sudo apt-get remove libhamlib2 libhamlib-utils" to get rid of the
> packages from the repo.
>
> In the file wsjtx/INSTALL -- Instead of --prefix=$home/hamlib-prefix I
> use --prefix=/usr/local
> ----------
> $ mkdir ~/hamlib-prefix
> $ cd ~/hamlib-prefix
> $ git clone git://git.code.sf.net/u/bsomervi/hamlib <git://git.code.sf.net/u/bsomervi/hamlib> src
> $ cd src
> $ git checkout integration
> $ mkdir ../build
> $ cd ../build

> $ ../src/autogen.sh --prefix=/usr/local \
> --disable-shared --enable-static \
> --without-cxx-binding --disable-winradio \
> CFLAGS="-fdata-sections -ffunction-sections" \
> LDFLAGS="-Wl,--gc-sections"
> $ make
> $ make install
> --
> The above builds and installs hamlib files under /usr/local
> # ls -l /usr/local/bin/rig*
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
> -rwxr-xr-x 1 root root 3162152 Mar 29 20:37 /usr/local/bin/rigmem
> -rwxr-xr-x 1 root root 3219496 Mar 29 20:37 /usr/local/bin/rigsmtr
> -rwxr-xr-x 1 root root 3128792 Mar 29 20:37 /usr/local/bin/rigswr
>
> # ls -l /usr/local/bin/*wsjtx*
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
> -rwxr-xr-x 1 root root 6199608 Mar 29 21:43 /usr/local/bin/wsjtx
> # ls -l /usr/local/lib/libhamlib*
> -rw-r--r-- 1 root root 5571734 Mar 29 20:37 /usr/local/lib/libhamlib.a
> -rwxr-xr-x 1 root root 910 Mar 29 20:37 /usr/local/lib/libhamlib.la
>
> In the section on building wsjtx --- Changed CMAKE_PREFIX_PATH to /usr/local
> --
> $ mkdir -p ~/wsjtx-prefix/build
> $ cd ~/wsjtx-prefix
> $ svn checkout svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx
<svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx> src
>
> To build WSJT-X you will need CMake and asciidoc installed.
>
> $ cd ~/wsjtx-prefix/build
> $ cmake -D CMAKE_PREFIX_PATH=/usr/local ../src
> $ cmake --build .
> $ cmake --build . --target install
> 73 ... Sid.
>
> On 30/03/16 05:13, James Bennett w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:
>>
>> Sid,
>>
>>
>> See interspersed, below:
>>> On Tuesday, Mar 29, 2016, at Tuesday, 4:08 PM, Sid Boyce
>>> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@blueyonder.co.uk <mailto:g3vbv@...>>
[n2adr-sdr]

>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>
>>> You have installed hamlib in $home/hamlib3/bin
>>> What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?
>> I get nothing after running this, so I assume it found no hit on that
>> word.
>>>
>>> Possibly you still have the old hamlib packages installed -- "dpkg -S
>>> `which rigctl`"
>>> "dpkg -l | grep hamlib" will list the packages, "apt-get remove
>>> <packages>" will get rid of them.
>> I ran a list of them and here is what it returned:
>>
>> pi@raspberrypi:~ $ dpkg -l | grep hamlib
>> ii libhamlib-utils 1.2.15.3-2+b1 armhf Utilities to
>> support the hamlib radio control library
>> ii libhamlib2 1.2.15.3-2+b1 armhf Run-time
>> library to control radio transceivers and receivers
>> pi@raspberrypi:~ $
>>
>>
>> So - looks to me like the only thing I have is hamlib v2, correct? And
>> if I do the "apt-get remove xxxxxxxxx" they'll be gone.
>>
>> You are showing –prefix=/usr/local for the hamlib stuff. Sorry, but
>> I'm confused - how will the hamlib files get installed into that location?
>>
>> Jim
>>
>>
>>>
>>> I chose "--prefix=/usr/local" so the binaries get installed in
>>> /usr/local/bin which is a regular PATH for executables.
>>> 73 ... Sid.
>>>
>>> On 29/03/16 22:51, James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>
>>>> Sid - one of the questions I have is why I don't have a Peaberry V2
>>>> entry in my Hamlib drop downs.
>>>>
>>>>
>>>> Yes, the WSJTX build is a pretty long process; I did it last week,
>>>> several times! I used a procedure from Bill G4WJS. The hamlib part of
>>>> it (done prior to the make of wsjtx), per his documentation was:
>>>>
>>>> mkdir ~/hamlib3
>>>> cd ~/hamlib3
>>>> git clone git://git.code.sf.net/u/bsomervi/hamlib

<git://git.code.sf.net/u/bsomervi/hamlib> src
>>>> cd src
>>>> git checkout integration
>>>> mkdir ../build
>>>> cd ../build
>>>>
>>>> ../src/autogen.sh —prefix=$home/hamlib3 ……..> and then the same stuff
>>>> as your
>>>>
>>>> So, I’m wondering how I wound up with a version of hamlib that doesn’t
>>>> seem to have the most recent list of rigs? How can I tell exactly what
>>>> I’ve gotten by using the above procedures?
>>>>
>>>> If I need to re-do hamlib and re-compile wsjtx, that’s no biggie, I
>>>> feel pretty comfortable doing that now.
>>>>
>>>> Jim / W6JHB
>>>>
>>>>
>>>>> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
>>>>> g3vbv@... <mailto:g3vbv@...>
>>>>> <mailto:g3vbv@... <mailto:g3vbv@...>><mailto:g3vbv@... <mailto:g3vbv@...>>
>>>>> [n2adr-sdr]
>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>> wrote:
>>>>>
>>>>> wsjtx is a long build. The INSTALL file is not too bad but could be
>>>>> simpler.
>>>>>
>>>>> There were a number of pre-req packages, asciidoctor and asciidoc bring
>>>>> in lots of other packages, cmake suggests an option to make to ignore
>>>>> wsjtx manpages.
>>>>> All the files listed here are all the ones I installed when complaints
>>>>> seen in cmake and make plus others such as rtl-sdr and other stuff I
>>>>> have been installing.
>>>>>
>>>>> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
>>>>> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
>>>>> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
>>>>> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
>>>>> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor
>>>>> asciidoc
>>>>> libudev-dev
>>>>>
>>>>> For hamlib
>>>>> ----------------
>>>>> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
>>>>> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections

>>>>> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>>>>>
>>>>> For wsjtx
>>>>> --------------
>>>>> root@odroid64:/usr/src/wsjtx/build# cmake -D
>>>>> CMAKE_PREFIX_PATH=/usr/local ..
>>>>>
>>>>>
>>>>> Near the end make can't find libudev ---- "ln -sf
>>>>> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
>>>>> -- Install configuration: "RELEASE"
>>>>> -- Installing: /usr/local/bin/wsjtx
>>>>> -- Installing: /usr/local/bin/jt9
>>>>> -- Installing: /usr/local/bin/jt65code
>>>>> -- Installing: /usr/local/bin/jt9code
>>>>> -- Installing: /usr/local/bin/jt4code
>>>>> -- Installing: /usr/local/bin/wsprd
>>>>> -- Installing: /usr/local/bin/message_aggregator
>>>>> -- Installing: /usr/local/bin/udp_daemon
>>>>> -- Installing: /usr/local/bin/rigctl-wsjtx
>>>>> -- Installing: /usr/local/bin/rigctld-wsjtx
>>>>> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
>>>>> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
>>>>> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
>>>>> 73 ... Sid.
>>>>>
>>>>>
>>>>> On 29/03/16 00:41, JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>
>>>>> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@me.com>>
>>>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>>>
>>>>>> Oh, but I wish i could do that!!!! When I was using my SoftRock
>>>>>> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
>>>>>> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
>>>>>> Wheezy to Jessie, put in a new RPi3 and opted to install the full
>>>>>> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
>>>>>> Unfortunately, the version of Hamlib that I’ve gotten does not have an
>>>>>> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
>>>>>> thing. So, after several email exchanges with folks in this Yahoo
>>>>>> group and the Omnia Yahoo group, I reluctantly went the rout of having
>>>>>> Quisk as the intermediary between the SDR and WSJT. Not fun.
>>>>>>
>>>>>>
>>>>>> I would LOVE to figure out how to avoid this, as it has cost me untold
>>>>>> hours of grief and I am still not at the point where it is working
>>>>>> satisfactorily.
>>>>>>
>>>>>> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
>>>>>> to work w/o going through Quisk would be greatly appreciated.
>>>>>>

>>>>>> p.s. - I have no beef with Quisk - it is a great piece of software and
>>>>>> I do enjoy using it for QRPp CW contacts…
>>>>>>
>>>>>> Jim / W6JHB
>>>>>>
>>>>>>
>>>>>>
>>>>>>
>>>>>>> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
>>>>>>> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@... <mailto:g3vbv@...>>
>>>>>>> <mailto:g3vbv@... <mailto:g3vbv@...>><mailto:g3vbv@blueyonder.co.uk
<mailto:g3vbv@...>>
>>>>>>> [n2adr-sdr]
>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>> wrote:
>>>>>>>
>>>>>>> Why not run wsjtx standalone?
>>>>>>>
>>>>>>> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
>>>>>>> before Jim wrote up how to use them with quisk.
>>>>>>> 73 ... Sid.
>>>>>>>
>>>>>>> On 29/03/16 00:04,JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>
>>>>>>> <mailto:JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>>
>>>>>>> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
>>>>>>> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>>>>>>>>
>>>>>>>> Just as an FYI, I’m using an RPi3 which has a bit more
>>>>>>>> horsepower than
>>>>>>>> the V2. But, perhaps that’s still not enough….
>>>>>>>>
>>>>>>>>
>>>>>>>> To my newbie eyes, this entire latency thing appears to be due to
>>>>>>>> having to use a loopback sink to get the audio tones back to Quisk
>>>>>>>> from WSJTX. Why do I say this? Well, with the following settings in
>>>>>>>> Quisk and WSJTX, receiving and decoding of WSPR2 signals works
>>>>>>>> great.
>>>>>>>> Very little latency, almost no choppiness in the audio to my
>>>>>>>> headphones:
>>>>>>>>
>>>>>>>> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>>>> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>>>>>>>>
>>>>>>>> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
>>>>>>>> audio output = plughw:CARD=Loopback,DEV=1
>>>>>>>>

>>>>>>>> The above results in fine decoding, as I mentioned. But the audio
>>>>>>>> tones are not making it back to the OmniaSDR wen I press the Tune
>>>>>>>> button in WSJTX. Note that those selections are NOT the sink
>>>>>>>> loopback
>>>>>>>> that was suggested by Eric, WW4ET.
>>>>>>>>
>>>>>>>> It sure seems that there ought to be some setting between these two
>>>>>>>> applications that would make the audio flow to Quisk for
>>>>>>>> transmit. If
>>>>>>>> we can’t figure this out, then using Quisk 4.0.4 and WSJTX
>>>>>>>> 1.7.0-devel
>>>>>>>> for receiving and transmit on an RPi3 simply isn’t gonna
>>>>>>>> happen., and
>>>>>>>> I’ll be relegated to having a receive-only WSPR setup.
>>>>>>>>
>>>>>>>> Any other ideas on this to avoid that latency-prone sink approach?
>>>>>>>>
>>>>>>>>> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
>>>>>>>>> Patriot121@... <mailto:Patriot121@...>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@...>>
>>>>>>>>> <mailto:Patriot121@msn.com <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@...>> [n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> I think that is something to do with the P2 ... not having quite
>>>>>>>>> enuff HP to do both ... least both waterfalls ...
>>>>>>>>>
>>>>>>>>> Try closing the wsjt waterfall ...
>>>>>>>>>
>>>>>>>>> The choppy is from not enough buffer /slash/ too much latency ....
>>>>>>>>> most latency being from the lack of GPU horses to do the
>>>>>>>>> lifting ....
>>>>>>>>> youll just need to increase adjust the Quisk values to see ....
>>>>>>>>>
>>>>>>>>> I and a few others are going with the Odroid-C2 to get more
>>>>>>>>> performance ...
>>>>>>>>> I hope that Jim will offer a 64bit version of his wonderful program
>>>>>>>>> ....
>>>>>>>>>
>>>>>>>>> ---
>>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>

>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> Date: Mon, 28 Mar 2016 11:53:13 -0700
>>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>>
>>>>>>>>> Gentlemen - we have ignition and liftoff! Sort of.
>>>>>>>>>
>>>>>>>>> I added a null sink and then put them into Quisk and WSJT-X. Lo and
>>>>>>>>> behold, I can now receive and send WSPR2. That was the good
>>>>>>>>> news. The
>>>>>>>>> bad news is that there is a pretty large latency issue on the
>>>>>>>>> receive
>>>>>>>>> end. I’ll do some reading and maybe play around with Quisk settings
>>>>>>>>> to see if there are any tweaks I can make to fix this. Before
>>>>>>>>> adding
>>>>>>>>> the sink to Quisk there was almost no latency issue being reported.
>>>>>>>>> Now it is pretty bad - I can hear really choppy audio in my
>>>>>>>>> headphones.
>>>>>>>>>
>>>>>>>>> Any suggestions?
>>>>>>>>>
>>>>>>>>> Tnx, Jim / W6JHB
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
>>>>>>>>> DURKINPatriot121@... <mailto:DURKINPatriot121@...>
>>>>>>>>> <mailto:DURKINPatriot121@...
<mailto:DURKINPatriot121@...>><mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>>>> <mailto:DURKINPatriot121@...
<mailto:DURKINPatriot121@...>><mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> you should be able to use the snd-aloop ... i do .... between

>>>>>>>>> quisk and wsjt
>>>>>>>>>
>>>>>>>>> I had to rebuild my kernel to enable it ....
>>>>>>>>> Least that's what Sid had me do some time ago ...
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> with quisk running, and with quisk using the digital ssb/FM
>>>>>>>>> button not greyed out ... and quisk audio set to the loopback
>>>>>>>>> sink for digital .... put wsjt into tune mode, move its power
>>>>>>>>> slider to max, then check pavucontrol playback tab and see if
>>>>>>>>> there is a qt-blah-blah sound thread .... make sure that this is
>>>>>>>>> set to the snd-aloop ....
>>>>>>>>>
>>>>>>>>> stop wsjt tune and the playback thread should disappear (it is
>>>>>>>>> not static and will not remain)
>>>>>>>>>
>>>>>>>>> The qt-blah-blah-blah thread under the recording tab should point
>>>>>>>>> to the snd-aloopMonitor
>>>>>>>>>
>>>>>>>>> This is what i remember as how i got it to work on my Odroid-x2
>>>>>>>>> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
>>>>>>>>> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
>>>>>>>>> the mail.
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> ---
>>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@...m
<mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> Date: Sun, 27 Mar 2016 20:43:56 -0700
>>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> Eric, Mike, et al - turns out that Pulseaudio IS already
>>>>>>>>> installed on the RPi - guess I was blind! I was hoping that I
>>>>>>>>> could use the ALSA loop back as described on the Quisk web page;
>>>>>>>>> I have it set per the documentation but no joy. So, it looks like
>>>>>>>>> I've got to go with Pulseaudio. I "think" I have a null sink set
>>>>>>>>> up and will attempt to get Quisk and WSJTX to speak to each other
>>>>>>>>> that way. It's a struggle for me, as I'm most certainly a Linux

>>>>>>>>> rookie, but I'm learning (slowly!).
>>>>>>>>>
>>>>>>>>> Jim Bennett / W6JHB
>>>>>>>>> Folsom, CA
>>>>>>>>>
>>>>>>>>> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
<mailto:EricThorntonewthornton@...>
>>>>>>>>> <mailto:EricThorntonewthornton@... <mailto:EricThorntonewthornton@...>>
>>>>>>>>> <mailto:EricThorntonewthornton@... <mailto:EricThorntonewthornton@...>>
>>>>>>>>> <mailto:Thorntonewthornton@... <mailto:Thorntonewthornton@...>>
>>>>>>>>> <mailto:ewthornton@... <mailto:ewthornton@...>>[n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
>>>>>>>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> To install pulseaudio, just type "sudo apt-get install
>>>>>>>>> pulseaudio". Do the same for "pavucontrol".
>>>>>>>>>
>>>>>>>>> It should detect any alsa devices automatically. You will
>>>>>>>>> probably want to add a null sink as your wsjtx playback
>>>>>>>>> device and then use the nullsink.monitor stream for input to
>>>>>>>>> quisk.
>>>>>>>>>
>>>>>>>>> This definitely sounds like an audio routing problem.
>>>>>>>>>
>>>>>>>>> Eric
>>>>>>>>> ww4et
>>>>>>>>>
>>>>>>>>> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@msn.com
<mailto:MIKEDURKINPatriot121@...>
>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]"
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@...m>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> I have both working with Quisk 4.0.3 ....
>>>>>>>>>

>>>>>>>>>
>>>>>>>>> I use snd-aloop as a link between quisk and fldigi/wsjt
>>>>>>>>> .. notsure if it is needed, but thats the way iv got it
>>>>>>>>> working ....
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> ---
>>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> Date: Thu, 24 Mar 2016 21:45:29 -0700
>>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> I'm curious if ANYONE has been successful with Quisk
>>>>>>>>> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
>>>>>>>>> documented on the Quisk web site. Neither FLDIGI nor
>>>>>>>>> WSJTX are having their audio picked up by Quisk with the
>>>>>>>>> setup this way. Those two applications ARE sending the
>>>>>>>>> audio tones out as they should, because when I tell them
>>>>>>>>> to send to the HW:0 device it hits my speakers just fine.
>>>>>>>>>
>>>>>>>>> I can put screen shots of my configurations up on the
>>>>>>>>> group's file section, if that will help.
>>>>>>>>>
>>>>>>>>> This whole thing is soooo close to working; I can send CW
>>>>>>>>> from Quisk, I have FLDIGI and WSJTX reading and decoding
>>>>>>>>> signals very well. What the heck is up with the transmit
>>>>>>>>> part?
>>>>>>>>>
>>>>>>>>> Jim Bennett / W6JHB
>>>>>>>>> Folsom, CA
>>>>>>>>>
>>>>>>>>> On Mar 24, 2016, at 7:12 PM,Patriot121@... <mailto:Patriot121@...>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>
>>>>>>>>> <mailto:Patriot121@msn.com <mailto:Patriot121@...>>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>

>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> Thought you were running latest version of quisk ....
>>>>>>>>>
>>>>>>>>> Sent fromOutlook Mobile <https://aka.ms/blhgte <https://aka.ms/blhgte>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
>>>>>>>>> Bennettw6jhb@... <mailto:Bennettw6jhb@...> <mailto:Bennettw6jhb@...
<mailto:Bennettw6jhb@...>>
>>>>>>>>> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>><mailto:Bennettw6jhb@me.com
<mailto:Bennettw6jhb@...>>
>>>>>>>>> <mailto:w6jhb@me.com <mailto:w6jhb@...>>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>>>>>>>>
>>>>>>>>> Mike,
>>>>>>>>>
>>>>>>>>> Everything on this RPi appears to be ALSA, not Pulse.
>>>>>>>>> Running pavucontrol only gives me the built-in audio
>>>>>>>>> output port on the RPI. When I run alsamixer, it
>>>>>>>>> shows all the ALSA devices, including the Loopback
>>>>>>>>> device.
>>>>>>>>>
>>>>>>>>> On a recommendation from Bill G4WJS from the WSJTX
>>>>>>>>> development team, I changed WSJTX output to go to the
>>>>>>>>> default / system output: the speakers on my monitor.
>>>>>>>>> Doing that produces a nice clean tone when I press
>>>>>>>>> the Tune button. So, WSJTX is sending a tone signal
>>>>>>>>> out the door, but Quisk doesn’t seem to be hearing
>>>>>>>>> it, or does not want to send it to the radio. It
>>>>>>>>> sends the stuff from the radio over to WSJTX and
>>>>>>>>> FLDIGI, but not the other way.
>>>>>>>>>
>>>>>>>>> Wonder what else in Quisk needs changing?
>>>>>>>>>
>>>>>>>>> Very strange.
>>>>>>>>>
>>>>>>>>> Jim
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On Thursday, Mar 24, 2016, at Thursday, 1:53
>>>>>>>>> PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>

>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@msn.com>>
>>>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> set the digital program to Tx tune ....
>>>>>>>>>
>>>>>>>>> then use pavucontrol and to see the levels
>>>>>>>>> between programs and see if the audio from wsjt-x
>>>>>>>>> is going where you want it to ....
>>>>>>>>>
>>>>>>>>> the path is NOT static, when wsjt-x quits Txing,
>>>>>>>>> the Tx audio thread disappears ...
>>>>>>>>>
>>>>>>>>> ---
>>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> Date: Thu, 24 Mar 2016 11:33:35 -0700
>>>>>>>>> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>>>> Problem
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> you don't have the audio routing done right
>>>>>>>>> ....
>>>>>>>>>
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> Probably (maybe) but it isn’t obvious to me.
>>>>>>>>>
>>>>>>>>> On Quisk I have the Digital Input and Digital
>>>>>>>>> Output both set to hw:3,0 and that’s what the
>>>>>>>>> Quisk doc sez. Over in FLDIGI, in the
>>>>>>>>> Configure—>Sound Card—>Audio—>Devices, I have
>>>>>>>>> both Capture and Playback set to hw:3,1.
>>>>>>>>>
>>>>>>>>> Doesn’t seem logical to me, but this is the way
>>>>>>>>> the documentation sez to set it up. As I said in

>>>>>>>>> my original post, FLDIGI and WSJT-X can both
>>>>>>>>> receive and decode signals very well. Rig control
>>>>>>>>> works on both applications (frequency changes and
>>>>>>>>> T/R switching). I just don’t get either one to
>>>>>>>>> make the OmniaSDR send any output. I’m using two
>>>>>>>>> ways to see that: a second receiver (Elecraft K3)
>>>>>>>>> and a watt meter that has scales of 0-100 W, 0-1
>>>>>>>>> W, and 0-100mw. When set at the mw level the
>>>>>>>>> needed never moves, so for sure no RF is coming
>>>>>>>>> out.\
>>>>>>>>>
>>>>>>>>> If I set the OmniaSDR up for CW, it works just
>>>>>>>>> fine and produces a nice 1w signal, so it for
>>>>>>>>> sure can transmit with Quisk.
>>>>>>>>>
>>>>>>>>> What else can be wrong??
>>>>>>>>>
>>>>>>>>> Jim
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> On Wednesday, Mar 23, 2016, at Wednesday,
>>>>>>>>> 10:59 PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>>>> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
>>>>>>>>> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
>>>>>>>>> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
>>>>>>>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>>>>>>>>>
>>>>>>>>>
>>>>>>>>> you don't have the audio routing done right
>>>>>>>>> ....
>>>>>>>>>
>>>>>>>>> ---
>>>>>>>>> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
>>>>>>>>> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
>>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:sdr@yahoogroups.com>
>>>>>>>>> <mailto:n2adr-sdr@yahoogroups.com>
>>>>>>>>> Date: Wed, 23 Mar 2016 22:21:00 -0700
>>>>>>>>> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
>>>>>>>>> Problem

>>>>>>>>>
>>>>>>>>> OK guys, need some help here. I am running
>>>>>>>>> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
>>>>>>>>> My WSJT-X is version 1.7.0. Also have FLDIGI.
>>>>>>>>> My radio is an OmniaSDR. Quisk works great
>>>>>>>>> for me in CW mode by itself. My problem is
>>>>>>>>> with transmitting from either of those two
>>>>>>>>> digital applications.
>>>>>>>>>
>>>>>>>>> I set up a Quisk Radio file per the online
>>>>>>>>> documentation where I am using XML-RPC in
>>>>>>>>> FLDIGI. I get decodes in PSK31 with no
>>>>>>>>> problem. If I press T/R in FLDIGI, the radio
>>>>>>>>> goes into transmit mode, but no RF flows.
>>>>>>>>>
>>>>>>>>> In WSJT-X, I have it set up to use hamlib per
>>>>>>>>> the QUISK instructions. I get really great
>>>>>>>>> decodes in JT65, JT9, and WSPR-2. But, like
>>>>>>>>> with FLDIGI, pressing the Tune button in
>>>>>>>>> WSJT-X results in the radio going into
>>>>>>>>> transmit mode but no RF is generated.
>>>>>>>>>
>>>>>>>>> Since both of those applications fail to
>>>>>>>>> generate a signal, I'm thinking I have
>>>>>>>>> something set wrong in Quisk, but I sure
>>>>>>>>> can't figure out where it is. As a side note,
>>>>>>>>> all aspects of rig control appear to work
>>>>>>>>> great in both applications - just can't get a
>>>>>>>>> signal out to my antenna!
>>>>>>>>>
>>>>>>>>> Any hints would be appreciated.
>>>>>>>>>
>>>>>>>>> Jim Bennett / W6JHB
>>>>>>>>> Folsom, CA
>>>>>>>>>
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>>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> --
>>>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>>>> Senior Staff Specialist, Cricket Coach
>>>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>>>>>
>>>>>>>
>>>>>>>
>>>>>>> ------------------------------------
>>>>>>>
>>>>>>> ------------------------------------
>>>>>>>
>>>>>>>
>>>>>>> ------------------------------------
>>>>>>>
>>>>>>> Yahoo Groups Links
>>>>>>>
>>>>>>>
>>>>>>> n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>>>>>>>
>>>>>>>
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>>>>>
>>>>> --
>>>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>>>> Senior Staff Specialist, Cricket Coach
>>>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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>>>>> ------------------------------------
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>> Yahoo Groups Links

>>>>>
>>>>>
>>>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>>>
>>>>>
>>>>
>>>
>>>
>>> --
>>> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
>>> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
>>> Senior Staff Specialist, Cricket Coach
>>> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>>>
>>>
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>>> ------------------------------------
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>>> ------------------------------------
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>>> ------------------------------------
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>>> Yahoo Groups Links
>>>
>>>
>>> n2adr-sdr-fullfeatured@yahoogroups.com
>>> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>>>
>>>
>>
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
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> ------------------------------------
>
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>
>
> ------------------------------------
>

> Yahoo Groups Links
>
>
>

2211. RE: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-04-12 18:57:26 UTC
From: MIKE DURKIN
Topic: 2145 Message: 2211

Did you try a sudo apt-get build-dep wsjtx before build of wsjtx ?

That might pull in ludev and what else it might need ..

To: n2adr-sdr@yahoogroups.com
From: n2adr-sdr@yahoogroups.com
Date: Tue, 12 Apr 2016 11:47:47 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Sid - I finally got back to attacking this problem of having the wrong hamlib installed - been busy doing some woodworking.

I successfully (I think) removed the old hamlib-2 stuff and then re-did the installs, using your adjusted method. All was going along fine until it got to the part of building WSJTX. Below is a copy/paste of the ugly part. Any idea (1) what is ludev, (2) why it isn't found with the modified steps, (3) how to resolve the problem?......[94%] Building CXX object CMakeFiles/wsjtx.dir/Configuration.cpp.o[95%] Building CXX object CMakeFiles/wsjtx.dir/main.cpp.o[95%] Building CXX object CMakeFiles/wsjtx.dir/wsprnet.cpp.o[95%] Building CXX object CMakeFiles/wsjtx.dir/WSPRBandHopping.cpp.o[95%] Building CXX object CMakeFiles/wsjtx.dir/qrc_wsjtx.cpp.o[96%] Building CXX object CMakeFiles/wsjtx.dir/wsjtx_automoc.cpp.oLinking CXX executable wsjtx/usr/bin/ld: cannot find -ludevcollect2: error: ld returned 1 exit statusCMakeFiles/wsjtx.dir/build.make:987: recipe for target 'wsjtx' failedmake[2]: *** [wsjtx] Error 1CMakeFiles/Makefile2:1208: recipe for target 'CMakeFiles/wsjtx.dir/all' failedmake[1]: *** [CMakeFiles/wsjtx.dir/all] Error 2Makefile:137: recipe for target 'all' failedmake: *** [all] Error 2pi@raspberrypi:~/~wsjtx-1.7/build $

Jim / W6JHB

On Wednesday, Mar 30, 2016, at Wednesday, 5:16 PM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:"sudo apt-get remove libhamlib2 libhamlib-utils" to get rid of the packages from the repo.In the file wsjtx/INSTALL -- Instead of --prefix=$home/hamlib-prefix I use --prefix=/usr/local----------$ mkdir ~/hamlib-prefix$ cd ~/hamlib-prefix$ git clone git://git.code.sf.net/u/bsomervi/hamlib src$ cd src$ git checkout integration$ mkdir ../build$ cd ../build$ ../src/autogen.sh --prefix=/usr/local \ --disable-shared --enable-static \ --without-cxx-binding --disable-winradio \ CFLAGS="-fdata-sections -ffunction-sections" \ LDFLAGS="-Wl,--gc-sections"$ make$ make install----------The above builds and installs hamlib files under /usr/local# ls -l /usr/local/bin/rig*-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx-rwxr-xr-x 1 root root 3162152 Mar 29 20:37 /usr/local/bin/rigmem-rwxr-xr-x 1 root root 3219496 Mar 29 20:37

/usr/local/bin/rigsmtr-rwxr-xr-x 1 root root 3128792 Mar 29 20:37 /usr/local/bin/rigswr# ls -l /usr/local/bin/*wsjtx*-rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx-rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx-rwxr-xr-x 1 root root 6199608 Mar 29 21:43 /usr/local/bin/wsjtx# ls -l /usr/local/lib/libhamlib*-rw-r--r-- 1 root root 5571734 Mar 29 20:37 /usr/local/lib/libhamlib.a-rwxr-xr-x 1 root root 910 Mar 29 20:37 /usr/local/lib/libhamlib.laIn the section on building wsjtx --- Changed CMAKE_PREFIX_PATH to /usr/local----------$ mkdir -p ~/wsjtx-prefix/build$ cd ~/wsjtx-prefix$ svn checkout svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx srcTo build WSJT-X you will need CMake and asciidoc installed.$ cd ~/wsjtx-prefix/build$ cmake -D CMAKE_PREFIX_PATH=/usr/local ../src$ cmake --build .$ cmake --build . --target install73 ... Sid.On 30/03/16 05:13, James Bennett w6jhb@... [n2adr-sdr] wrote:
Sid,

See interspersed, below:
On Tuesday, Mar 29, 2016, at Tuesday, 4:08 PM, Sid Boyce g3vbv@... <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

You have installed hamlib in $home/hamlib3/bin
What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?
I get nothing after running this, so I assume it found no hit on that word.

Possibly you still have the old hamlib packages installed -- "dpkg -S `which rigctl`"
"dpkg -l | grep hamlib" will list the packages, "apt-get remove <packages>" will get rid of them.
I ran a list of them and here is what it returned:

pi@raspberrypi:~ $ dpkg -l | grep hamlib
ii libhamlib-utils 1.2.15.3-2+b1 armhf Utilities to support the hamlib radio control library
ii libhamlib2 1.2.15.3-2+b1 armhf Run-time library to control radio transceivers and receivers
pi@raspberrypi:~ $

So - looks to me like the only thing I have is hamlib v2, correct? And if I do the "apt-get remove xxxxxxxxx" they'll be gone.

You are showing –prefix=/usr/local for the hamlib stuff. Sorry, but I'm confused - how will the hamlib files get installed into that location?

Jim

I chose "--prefix=/usr/local" so the binaries get installed in /usr/local/bin which is a regular PATH for executables.
73 ... Sid.

On 29/03/16 22:51, James Bennettw6jhb@... <mailto:w6jhb@...>[n2adr-sdr] wrote:

Sid - one of the questions I have is why I don’t have a Peaberry V2 entry in my Hamlib drop downs.

Yes, the WSJTX build is a pretty long process; I did it last week, several times! I used a procedure from Bill G4WJS. The hamlib part of it (done prior to the make of wsjtx), per his documentation was:

```
mkdir ~/hamlib3
cd ~/hamlib3
git clone git://git.code.sf.net/u/bsomervi/hamlib src
cd src
git checkout integration
mkdir ../build
cd ../build
```

../src/autogen.sh –prefix=$home/hamlib3 ……..> and then the same stuff as your

So, I’m wondering how I wound up with a version of hamlib that doesn’t seem to have the most recent list of rigs? How can I tell exactly what I’ve gotten by using the above procedures?

If I need to re-do hamlib and re-compile wsjtx, that’s no biggie, I feel pretty comfortable doing that now.

Jim / W6JHB

On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce g3vbv@... <mailto:g3vbv@blueyonder.co.uk><mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>> wrote:

wsjtx is a long build. The INSTALL file is not too bad but could be simpler.

There were a number of pre-req packages, asciidoctor and asciidoc bring in lots of other packages, cmake suggests an option to make to ignore wsjtx manpages.
All the files listed here are all the ones I installed when complaints seen in cmake and make plus others such as rtl-sdr and other stuff I have been installing.

```
apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor
asciidoc
libudev-dev
```

For hamlib

../autogen.sh --prefix=/usr/local --disable-shared --enable-static
--without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
-ffunction-sections" LDFLAGS="-Wl,--gc-sections"

For wsjtx
----
root@odroid64:/usr/src/wsjtx/build# cmake -D
CMAKE_PREFIX_PATH=/usr/local ..

Near the end make can't find libudev ---- "ln -sf
/lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
-- Install configuration: "RELEASE"
-- Installing: /usr/local/bin/wsjtx
-- Installing: /usr/local/bin/jt9
-- Installing: /usr/local/bin/jt65code
-- Installing: /usr/local/bin/jt9code
-- Installing: /usr/local/bin/jt4code
-- Installing: /usr/local/bin/wsprd
-- Installing: /usr/local/bin/message_aggregator
-- Installing: /usr/local/bin/udp_daemon
-- Installing: /usr/local/bin/rigctl-wsjtx
-- Installing: /usr/local/bin/rigctld-wsjtx
root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
2516 AE9RB Si570 Peaberry V1 0.3 Beta
2517 AE9RB Si570 Peaberry V2 0.2 Beta
73 ... Sid.

On 29/03/16 00:41, JamesBennettw6jhb@...
<mailto:Bennettw6jhb@...>
<mailto:w6jhb@...>[n2adr-sdr] wrote:

Oh, but I wish i could do that!!!! When I was using my SoftRock
Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
Wheezy to Jessie, put in a new RPi3 and opted to install the full
WSJT-X, so that I might try out JT65 and JT9 with the RPi.
Unfortunately, the version of Hamlib that I've gotten does not have an
entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
thing. So, after several email exchanges with folks in this Yahoo
group and the Omnia Yahoo group, I reluctantly went the rout of having
Quisk as the intermediary between the SDR and WSJT. Not fun.

I would LOVE to figure out how to avoid this, as it has cost me untold
hours of grief and I am still not at the point where it is working
satisfactorily.

Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
to work w/o going through Quisk would be greatly appreciated.

p.s. - I have no beef with Quisk - it is a great piece of software and
I do enjoy using it for QRPp CW contacts…

Jim / W6JHB

On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
g3vbv@... <mailto:g3vbv@...>
<mailto:g3vbv@...><mailto:g3vbv@...>
[n2adr-sdr]
<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
wrote:

Why not run wsjtx standalone?

When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
before Jim wrote up how to use them with quisk.
73 ... Sid.

On 29/03/16 00:04,JamesBennettw6jhb@...
<mailto:JamesBennettw6jhb@...>
<mailto:Bennettw6jhb@...>
<mailto:w6jhb@...>[n2adr-sdr] wrote:

Just as an FYI, I’m using an RPi3 which has a bit more
horsepower than
the V2. But, perhaps that’s still not enough….

To my newbie eyes, this entire latency thing appears to be due to
having to use a loopback sink to get the audio tones back to Quisk
from WSJTX. Why do I say this? Well, with the following settings in
Quisk and WSJTX, receiving and decoding of WSPR2 signals works
great.
Very little latency, almost no choppiness in the audio to my
headphones:

Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)

WSJTX audio Input = plughw:CARD=Loopback,DEV=1
audio output = plughw:CARD=Loopback,DEV=1

The above results in fine decoding, as I mentioned. But the audio
tones are not making it back to the OmniaSDR wen I press the Tune
button in WSJTX. Note that those selections are NOT the sink
loopback
that was suggested by Eric, WW4ET.

It sure seems that there ought to be some setting between these two
applications that would make the audio flow to Quisk for
transmit. If
we can’t figure this out, then using Quisk 4.0.4 and WSJTX
1.7.0-devel
for receiving and transmit on an RPi3 simply isn’t gonna
happen., and
I’ll be relegated to having a receive-only WSPR setup.

Any other ideas on this to avoid that latency-prone sink approach?

On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
Patriot121@...
<mailto:Patriot121@...><mailto:Patriot121@...>
<mailto:Patriot121@msn.com><mailto:Patriot121@...> [n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
wrote:

I think that is something to do with the P2 ... not having quite
enuff HP to do both ... least both waterfalls ...

Try closing the wsjt waterfall ...

The choppy is from not enough buffer /slash/ too much latency ....
most latency being from the lack of GPU horses to do the
lifting ....
youll just need to increase adjust the Quisk values to see ....

I and a few others are going with the Odroid-C2 to get more
performance ...
I hope that Jim will offer a 64bit version of his wonderful program
....

To:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
From:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
Date: Mon, 28 Mar 2016 11:53:13 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Gentlemen - we have ignition and liftoff! Sort of.

I added a null sink and then put them into Quisk and WSJT-X. Lo and
behold, I can now receive and send WSPR2. That was the good
news. The
bad news is that there is a pretty large latency issue on the
receive
end. I'll do some reading and maybe play around with Quisk settings
to see if there are any tweaks I can make to fix this. Before
adding
the sink to Quisk there was almost no latency issue being reported.
Now it is pretty bad - I can hear really choppy audio in my
headphones.

Any suggestions?

Tnx, Jim / W6JHB

On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
DURKINPatriot121@...
<mailto:DURKINPatriot121@...><mailto:DURKINPatriot121@...>
<mailto:DURKINPatriot121@msn.com><mailto:Patriot121@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
wrote:

you should be able to use the snd-aloop ... i do .... between
quisk and wsjt

I had to rebuild my kernel to enable it ....
Least that's what Sid had me do some time ago ...

with quisk running, and with quisk using the digital ssb/FM
button not greyed out ... and quisk audio set to the loopback
sink for digital .... put wsjt into tune mode, move its power
slider to max, then check pavucontrol playback tab and see if
there is a qt-blah-blah sound thread .... make sure that this is
set to the snd-aloop ....

stop wsjt tune and the playback thread should disappear (it is
not static and will not remain)

The qt-blah-blah-blah thread under the recording tab should point
to the snd-aloopMonitor

This is what i remember as how i got it to work on my Odroid-x2
(Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
the mail.

To:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
From:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
Date: Sun, 27 Mar 2016 20:43:56 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Eric, Mike, et al - turns out that Pulseaudio IS already
installed on the RPi - guess I was blind! I was hoping that I
could use the ALSA loop back as described on the Quisk web page;
I have it set per the documentation but no joy. So, it looks like
I've got to go with Pulseaudio. I "think" I have a null sink set
up and will attempt to get Quisk and WSJTX to speak to each other
that way. It's a struggle for me, as I'm most certainly a Linux
rookie, but I'm learning (slowly!).

Jim Bennett / W6JHB
Folsom, CA

On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
<mailto:EricThorntonewthornton@...>
<mailto:EricThorntonewthornton@gmail.com>
<mailto:Thorntonewthornton@...>
<mailto:ewthornton@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>>
wrote:

To install pulseaudio, just type "sudo apt-get install
pulseaudio". Do the same for "pavucontrol".

It should detect any alsa devices automatically. You will
probably want to add a null sink as your wsjtx playback
device and then use the nullsink.monitor stream for input to
quisk.

This definitely sounds like an audio routing problem.

Eric
ww4et

On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@...
<mailto:MIKEDURKINPatriot121@...>
<mailto:MIKEDURKINPatriot121@...>
<mailto:DURKINPatriot121@...>
<mailto:Patriot121@...>[n2adr-sdr]"
<n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com><mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

I have both working with Quisk 4.0.3 ....

I use snd-aloop as a link between quisk and fldigi/wsjt
.. notsure if it is needed, but thats the way iv got it
working ....

To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
From:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com><mailto:sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
Date: Thu, 24 Mar 2016 21:45:29 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

I'm curious if ANYONE has been successful with Quisk
4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as

documented on the Quisk web site. Neither FLDIGI nor WSJTX are having their audio picked up by Quisk with the setup this way. Those two applications ARE sending the audio tones out as they should, because when I tell them to send to the HW:0 device it hits my speakers just fine.

I can put screen shots of my configurations up on the group's file section, if that will help.

This whole thing is soooo close to working; I can send CW from Quisk, I have FLDIGI and WSJTX reading and decoding signals very well. What the heck is up with the transmit part?

Jim Bennett / W6JHB
Folsom, CA

On Mar 24, 2016, at 7:12 PM,Patriot121@...
<mailto:Patriot121@...>
<mailto:Patriot121@msn.com>
<mailto:Patriot121@...>
<mailto:Patriot121@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@...m>
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

Thought you were running latest version of quisk ....

Sent fromOutlook Mobile <https://aka.ms/blhgte>

On Thu, Mar 24, 2016 at 6:12 PM -0700, "James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
<mailto:Bennettw6jhb@...><mailto:Bennettw6jhb@...>
<mailto:w6jhb@me.com>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>>wrote:

Mike,

Everything on this RPi appears to be ALSA, not Pulse. Running pavucontrol only gives me the built-in audio output port on the RPI. When I run alsamixer, it shows all the ALSA devices, including the Loopback device.

On a recommendation from Bill G4WJS from the WSJTX development team, I changed WSJTX output to go to the default / system output: the speakers on my monitor. Doing that produces a nice clean tone when I press

the Tune button. So, WSJTX is sending a tone signal
out the door, but Quisk doesn’t seem to be hearing
it, or does not want to send it to the radio. It
sends the stuff from the radio over to WSJTX and
FLDIGI, but not the other way.

Wonder what else in Quisk needs changing?

Very strange.

Jim

On Thursday, Mar 24, 2016, at Thursday, 1:53
PM,MIKEDURKINPatriot121@...
<mailto:MIKEDURKINPatriot121@...>
<mailto:MIKEDURKINPatriot121@...>
<mailto:DURKINPatriot121@...>
<mailto:Patriot121@...>[n2adr-sdr]
<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@...m>
<mailto:n2adr-sdr@yahoogroups.com>> wrote:

set the digital program to Tx tune ....

then use pavucontrol and to see the levels
between programs and see if the audio from wsjt-x
is going where you want it to ....

the path is NOT static, when wsjt-x quits Txing,
the Tx audio thread disappears ...

To:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
From:n2adr-sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com>
<mailto:sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com>
Date: Thu, 24 Mar 2016 11:33:35 -0700
Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
Problem

you don't have the audio routing done right
....

Probably (maybe) but it isn’t obvious to me.

On Quisk I have the Digital Input and Digital Output both set to hw:3,0 and that’s what the Quisk doc sez. Over in FLDIGI, in the Configure—>Sound Card—>Audio—>Devices, I have both Capture and Playback set to hw:3,1.

Doesn’t seem logical to me, but this is the way the documentation sez to set it up. As I said in my original post, FLDIGI and WSJT-X can both receive and decode signals very well. Rig control works on both applications (frequency changes and T/R switching). I just don’t get either one to make the OmniaSDR send any output. I’m using two ways to see that: a second receiver (Elecraft K3) and a watt meter that has scales of 0-100 W, 0-1 W, and 0-100mw. When set at the mw level the needed never moves, so for sure no RF is coming out.\

If I set the OmniaSDR up for CW, it works just fine and produces a nice 1w signal, so it for sure can transmit with Quisk.

What else can be wrong??

Jim

On Wednesday, Mar 23, 2016, at Wednesday, 10:59 PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...> <mailto:MIKEDURKINPatriot121@...> <mailto:DURKINPatriot121@...> <mailto:Patriot121@...>[n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com> <mailto:n2adr-sdr@yahoogroups.com> <mailto:n2adr-sdr@yahoogroups.com> <mailto:n2adr-sdr@yahoogroups.com>> wrote:

you don't have the audio routing done right ....

To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com> <mailto:n2adr-sdr@yahoogroups.com>
From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com> <mailto:n2adr-sdr@yahoogroups.com>

Date: Wed, 23 Mar 2016 22:21:00 -0700
Subject: [n2adr-sdr] Quisk / WSJTX Transmit Problem

OK guys, need some help here. I am running Quisk 4.0.4 on a Raspberry Pi3 with Jessie. My WSJT-X is version 1.7.0. Also have FLDIGI. My radio is an OmniaSDR. Quisk works great for me in CW mode by itself. My problem is with transmitting from either of those two digital applications.

I set up a Quisk Radio file per the online documentation where I am using XML-RPC in FLDIGI. I get decodes in PSK31 with no problem. If I press T/R in FLDIGI, the radio goes into transmit mode, but no RF flows.

In WSJT-X, I have it set up to use hamlib per the QUISK instructions. I get really great decodes in JT65, JT9, and WSPR-2. But, like with FLDIGI, pressing the Tune button in WSJT-X results in the radio going into transmit mode but no RF is generated.

Since both of those applications fail to generate a signal, I'm thinking I have something set wrong in Quisk, but I sure can't figure out where it is. As a side note, all aspects of rig control appear to work great in both applications - just can't get a signal out to my antenna!

Any hints would be appreciated.

Jim Bennett / W6JHB
Folsom, CA

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

---

Yahoo Groups Links

n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>

2212. Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-04-12 19:35:57 UTC
From: James Bennett
Topic: 2145 Message: 2212

Mike, I just gave that a try and got:

E: You must put some ‘source’ URIs in your sources.list

Huh? What the heck is that?
> On Tuesday, Apr 12, 2016, at Tuesday, 11:57 AM, MIKE DURKIN Patriot121@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Did you try a sudo apt-get build-dep wsjtx before build of wsjtx ?
>
> That might pull in ludev and what else it might need ..
>
> To: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> From: n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> Date: Tue, 12 Apr 2016 11:47:47 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> Sid - I finally got back to attacking this problem of having the wrong hamlib installed - been busy doing some woodworking.
>
> I successfully (I think) removed the old hamlib-2 stuff and then re-did the installs, using your adjusted method. All was going along fine until it got to the part of building WSJTX. Below is a copy/paste of the ugly part. Any idea (1) what is ludev, (2) why it isn’t found with the modified steps, (3) how to resolve the problem?
> .
> ..
> ...
> [94%] Building CXX object CMakeFiles/wsjtx.dir/Configuration.cpp.o
> [95%] Building CXX object CMakeFiles/wsjtx.dir/main.cpp.o
> [95%] Building CXX object CMakeFiles/wsjtx.dir/wsprnet.cpp.o
> [95%] Building CXX object CMakeFiles/wsjtx.dir/WSPRBandHopping.cpp.o
> [95%] Building CXX object CMakeFiles/wsjtx.dir/qrc_wsjtx.cpp.o
> [96%] Building CXX object CMakeFiles/wsjtx.dir/wsjtx_automoc.cpp.o
> Linking CXX executable wsjtx
> /usr/bin/ld: cannot find -ludev
> collect2: error: ld returned 1 exit status
> CMakeFiles/wsjtx.dir/build.make:987: recipe for target 'wsjtx' failed
> make[2]: *** [wsjtx] Error 1
> CMakeFiles/Makefile2:1208: recipe for target 'CMakeFiles/wsjtx.dir/all' failed
> make[1]: *** [CMakeFiles/wsjtx.dir/all] Error 2
> Makefile:137: recipe for target 'all' failed
> make: *** [all] Error 2
> pi@raspberrypi:~/~wsjtx-1.7/build $

>
>
> Jim / W6JHB
>
>
> On Wednesday, Mar 30, 2016, at Wednesday, 5:16 PM, Sid Boyce g3vbv@... <mailto:g3vbv@...>
[n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> "sudo apt-get remove libhamlib2 libhamlib-utils" to get rid of the
> packages from the repo.
>
> In the file wsjtx/INSTALL -- Instead of --prefix=$home/hamlib-prefix I
> use --prefix=/usr/local
> ------------------------------------
> $ mkdir ~/hamlib-prefix
> $ cd ~/hamlib-prefix
> $ git clone <>git://git.code.sf.net/u/bsomervi/hamlib
<git://git.code.sf.net/u/bsomervi/hamlib> src
> $ cd src
> $ git checkout integration
> $ mkdir ../build
> $ cd ../build
> $ ../src/autogen.sh --prefix=/usr/local \
> --disable-shared --enable-static \
> --without-cxx-binding --disable-winradio \
> CFLAGS="-fdata-sections -ffunction-sections" \
> LDFLAGS="-Wl,--gc-sections"
> $ make
> $ make install
> --
> The above builds and installs hamlib files under /usr/local
> # ls -l /usr/local/bin/rig*
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
> -rwxr-xr-x 1 root root 3162152 Mar 29 20:37 /usr/local/bin/rigmem
> -rwxr-xr-x 1 root root 3219496 Mar 29 20:37 /usr/local/bin/rigsmtr
> -rwxr-xr-x 1 root root 3128792 Mar 29 20:37 /usr/local/bin/rigswr
>
> # ls -l /usr/local/bin/*wsjtx*
> -rwxr-xr-x 1 root root 3245576 Mar 29 20:37 /usr/local/bin/rigctld-wsjtx
> -rwxr-xr-x 1 root root 3240728 Mar 29 20:37 /usr/local/bin/rigctl-wsjtx
> -rwxr-xr-x 1 root root 6199608 Mar 29 21:43 /usr/local/bin/wsjtx
> # ls -l /usr/local/lib/libhamlib*
> -rw-r--r-- 1 root root 5571734 Mar 29 20:37 /usr/local/lib/libhamlib.a
> -rwxr-xr-x 1 root root 910 Mar 29 20:37 /usr/local/lib/libhamlib.la
>
> In the section on building wsjtx --- Changed CMAKE_PREFIX_PATH to /usr/local
> ---

> $ mkdir -p ~/wsjtx-prefix/build
> $ cd ~/wsjtx-prefix
> $ svn checkout <>svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx
<svn://svn.code.sf.net/p/wsjt/wsjt/branches/wsjtx> src
>
> To build WSJT-X you will need CMake and asciidoc installed.
>
> $ cd ~/wsjtx-prefix/build
> $ cmake -D CMAKE_PREFIX_PATH=/usr/local ../src
> $ cmake --build .
> $ cmake --build . --target install
> 73 ... Sid.
>
> On 30/03/16 05:13, James Bennett w6jhb@me.com <mailto:w6jhb@...> [n2adr-sdr] wrote:
>
> Sid,
>
>
> See interspersed, below:
> On Tuesday, Mar 29, 2016, at Tuesday, 4:08 PM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@blueyonder.co.uk <mailto:g3vbv@...>>
[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
> You have installed hamlib in $home/hamlib3/bin
> What does "~/hamlib3/bin/rigctl -l | grep Peaberry" return?
> I get nothing after running this, so I assume it found no hit on that
> word.
>
> Possibly you still have the old hamlib packages installed -- "dpkg -S
> `which rigctl`"
> "dpkg -l | grep hamlib" will list the packages, "apt-get remove
> <packages>" will get rid of them.
> I ran a list of them and here is what it returned:
>
> pi@raspberrypi:~ $ dpkg -l | grep hamlib
> ii libhamlib-utils 1.2.15.3-2+b1 armhf Utilities to
> support the hamlib radio control library
> ii libhamlib2 1.2.15.3-2+b1 armhf Run-time
> library to control radio transceivers and receivers
> pi@raspberrypi:~ $
>
>
> So - looks to me like the only thing I have is hamlib v2, correct? And
> if I do the "apt-get remove xxxxxxxxx" they'll be gone.
>
> You are showing –prefix=/usr/local for the hamlib stuff. Sorry, but
> I'm confused - how will the hamlib files get installed into that location?
>

> Jim
>
>
>
> I chose "--prefix=/usr/local" so the binaries get installed in
> /usr/local/bin which is a regular PATH for executables.
> 73 ... Sid.
>
> On 29/03/16 22:51, James Bennettw6jhb@... <mailto:Bennettw6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>
> Sid - one of the questions I have is why I don’t have a Peaberry V2
> entry in my Hamlib drop downs.
>
>
> Yes, the WSJTX build is a pretty long process; I did it last week,
> several times! I used a procedure from Bill G4WJS. The hamlib part of
> it (done prior to the make of wsjtx), per his documentation was:
>
> mkdir ~/hamlib3
> cd ~/hamlib3
> git clone <>git://git.code.sf.net/u/bsomervi/hamlib
<git://git.code.sf.net/u/bsomervi/hamlib> src
> cd src
> git checkout integration
> mkdir ../build
> cd ../build
>
> ../src/autogen.sh —prefix=$home/hamlib3 ……..> and then the same stuff
> as your
>
> So, I’m wondering how I wound up with a version of hamlib that doesn’t
> seem to have the most recent list of rigs? How can I tell exactly what
> I’ve gotten by using the above procedures?
>
> If I need to re-do hamlib and re-compile wsjtx, that’s no biggie, I
> feel pretty comfortable doing that now.
>
> Jim / W6JHB
>
>
> On Tuesday, Mar 29, 2016, at Tuesday, 2:12 PM, Sid Boyce
> g3vbv@... <mailto:g3vbv@....uk>
> <mailto:g3vbv@... <mailto:g3vbv@...>><mailto:g3vbv@... <mailto:g3vbv@...>>
> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
> wrote:

>
> wsjtx is a long build. The INSTALL file is not too bad but could be
> simpler.
>
> There were a number of pre-req packages, asciidoctor and asciidoc bring
> in lots of other packages, cmake suggests an option to make to ignore
> wsjtx manpages.
> All the files listed here are all the ones I installed when complaints
> seen in cmake and make plus others such as rtl-sdr and other stuff I
> have been installing.
>
> apt-get install sshpass libqt5multimedia5 libqt5multimediawidgets5
> reboot libx11-dev mlocate qt5-qmake libopenmpi-dev libopenmpi1 \
> libqt5multimedia5-plugins libqt5multimediaquick-p5 qtmultimedia5-dev
> libqwt-headers wx3.0-headers libboost-thread-dev libzthread-dev \
> rtl-sdr librtlsdr-dev texinfo f2c cfortran gfortran asciidoctor
> asciidoc
> libudev-dev
>
> For hamlib
> ----------------
> ../autogen.sh --prefix=/usr/local --disable-shared --enable-static
> --without-cxx-binding --disable-winradio CFLAGS="-fdata-sections
> -ffunction-sections" LDFLAGS="-Wl,--gc-sections"
>
> For wsjtx
> --------------
> root@odroid64:/usr/src/wsjtx/build# cmake -D
> CMAKE_PREFIX_PATH=/usr/local ..
>
>
> Near the end make can't find libudev ---- "ln -sf
> /lib/arm-linux-gnueabihf/libudev.so.1 /usr/lib/"
> -- Install configuration: "RELEASE"
> -- Installing: /usr/local/bin/wsjtx
> -- Installing: /usr/local/bin/jt9
> -- Installing: /usr/local/bin/jt65code
> -- Installing: /usr/local/bin/jt9code
> -- Installing: /usr/local/bin/jt4code
> -- Installing: /usr/local/bin/wsprd
> -- Installing: /usr/local/bin/message_aggregator
> -- Installing: /usr/local/bin/udp_daemon
> -- Installing: /usr/local/bin/rigctl-wsjtx
> -- Installing: /usr/local/bin/rigctld-wsjtx
> root@odroid64:~# rigctl-wsjtx -l | grep Peaberry
> 2516 AE9RB Si570 Peaberry V1 0.3 Beta
> 2517 AE9RB Si570 Peaberry V2 0.2 Beta
> 73 ... Sid.
>
>

> On 29/03/16 00:41, JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>
> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>
> Oh, but I wish i could do that!!!! When I was using my SoftRock
> Ensemble RXTX on my RPi2, that is exactly what I was doing, but I was
> using the stand-alone WSPR2 software, not WSJT-X. So, I upgraded from
> Wheezy to Jessie, put in a new RPi3 and opted to install the full
> WSJT-X, so that I might try out JT65 and JT9 with the RPi.
> Unfortunately, the version of Hamlib that I've gotten does not have an
> entry in it for the OmniaSDR, or a Peaberry SDR, or any such sort of
> thing. So, after several email exchanges with folks in this Yahoo
> group and the Omnia Yahoo group, I reluctantly went the rout of having
> Quisk as the intermediary between the SDR and WSJT. Not fun.
>
>
> I would LOVE to figure out how to avoid this, as it has cost me untold
> hours of grief and I am still not at the point where it is working
> satisfactorily.
>
> Sid - any help you may be in getting my 1.7.0-devel version of WSJTX
> to work w/o going through Quisk would be greatly appreciated.
>
> p.s. - I have no beef with Quisk - it is a great piece of software and
> I do enjoy using it for QRPp CW contacts…
>
> Jim / W6JHB
>
>
>
>
> On Monday, Mar 28, 2016, at Monday, 4:30 PM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...> <mailto:g3vbv@... <mailto:g3vbv@...>>
> <mailto:g3vbv@blueyonder.co.uk <mailto:g3vbv@...>><mailto:g3vbv@blueyonder.co.uk
<mailto:g3vbv@...>>
> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
> wrote:
>
> Why not run wsjtx standalone?
>
> When I had Softrock/UHFSDR I ran wspr, wsjtx and fldigi standalone
> before Jim wrote up how to use them with quisk.
> 73 ... Sid.
>
> On 29/03/16 00:04,JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>

> <mailto:JamesBennettw6jhb@... <mailto:JamesBennettw6jhb@...>>
> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr] wrote:
>
> Just as an FYI, I'm using an RPi3 which has a bit more
> horsepower than
> the V2. But, perhaps that's still not enough….
>
>
> To my newbie eyes, this entire latency thing appears to be due to
> having to use a loopback sink to get the audio tones back to Quisk
> from WSJTX. Why do I say this? Well, with the following settings in
> Quisk and WSJTX, receiving and decoding of WSPR2 signals works
> great.
> Very little latency, almost no choppiness in the audio to my
> headphones:
>
> Quisk: Digital Output = alsa:Peaberry Loopback PCM(hw:3,0)
> Digital Input = alsa:Peaberry Loopback PCM(hw:3,0)
>
> WSJTX audio Input = plughw:CARD=Loopback,DEV=1
> audio output = plughw:CARD=Loopback,DEV=1
>
> The above results in fine decoding, as I mentioned. But the audio
> tones are not making it back to the OmniaSDR wen I press the Tune
> button in WSJTX. Note that those selections are NOT the sink
> loopback
> that was suggested by Eric, WW4ET.
>
> It sure seems that there ought to be some setting between these two
> applications that would make the audio flow to Quisk for
> transmit. If
> we can't figure this out, then using Quisk 4.0.4 and WSJTX
> 1.7.0-devel
> for receiving and transmit on an RPi3 simply isn't gonna
> happen., and
> I'll be relegated to having a receive-only WSPR setup.
>
> Any other ideas on this to avoid that latency-prone sink approach?
>
> On Monday, Mar 28, 2016, at Monday, 12:03 PM, MIKE DURKIN
> Patriot121@... <mailto:Patriot121@msn.com>
> <mailto:Patriot121@... <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@msn.com>> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>

> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
> wrote:
>
>
> I think that is something to do with the P2 ... not having quite
> enuff HP to do both ... least both waterfalls ...
>
> Try closing the wsjt waterfall ...
>
> The choppy is from not enough buffer /slash/ too much latency ....
> most latency being from the lack of GPU horses to do the
> lifting ....
> youll just need to increase adjust the Quisk values to see ....
>
> I and a few others are going with the Odroid-C2 to get more
> performance ...
> I hope that Jim will offer a 64bit version of his wonderful program
> ....
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> Date: Mon, 28 Mar 2016 11:53:13 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
> Gentlemen - we have ignition and liftoff! Sort of.
>
> I added a null sink and then put them into Quisk and WSJT-X. Lo and
> behold, I can now receive and send WSPR2. That was the good
> news. The
> bad news is that there is a pretty large latency issue on the
> receive
> end. I’ll do some reading and maybe play around with Quisk settings
> to see if there are any tweaks I can make to fix this. Before
> adding
> the sink to Quisk there was almost no latency issue being reported.
> Now it is pretty bad - I can hear really choppy audio in my
> headphones.

>
> Any suggestions?
>
> Tnx, Jim / W6JHB
>
>
> On Sunday, Mar 27, 2016, at Sunday, 10:15 PM, MIKE
> DURKINPatriot121@... <mailto:DURKINPatriot121@...>
> <mailto:DURKINPatriot121@msn.com
<mailto:DURKINPatriot121@...>><mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>><mailto:Patriot121@...
<mailto:Patriot121@msn.com>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
> wrote:
>
>
> you should be able to use the snd-aloop ... i do .... between
> quisk and wsjt
>
> I had to rebuild my kernel to enable it ....
> Least that's what Sid had me do some time ago ...
>
>
> with quisk running, and with quisk using the digital ssb/FM
> button not greyed out ... and quisk audio set to the loopback
> sink for digital .... put wsjt into tune mode, move its power
> slider to max, then check pavucontrol playback tab and see if
> there is a qt-blah-blah sound thread .... make sure that this is
> set to the snd-aloop ....
>
> stop wsjt tune and the playback thread should disappear (it is
> not static and will not remain)
>
> The qt-blah-blah-blah thread under the recording tab should point
> to the snd-aloopMonitor
>
> This is what i remember as how i got it to work on my Odroid-x2
> (Ubuntu 14.04 32bit) ... C2 is soon to be replacing it, as soon
> as i get a HDMI cable and a bluetooth keyboard/touchpad combo in
> the mail.
>
>
>
> --

> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@...m>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> Date: Sun, 27 Mar 2016 20:43:56 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> Eric, Mike, et al - turns out that Pulseaudio IS already
> installed on the RPi - guess I was blind! I was hoping that I
> could use the ALSA loop back as described on the Quisk web page;
> I have it set per the documentation but no joy. So, it looks like
> I've got to go with Pulseaudio. I "think" I have a null sink set
> up and will attempt to get Quisk and WSJTX to speak to each other
> that way. It's a struggle for me, as I'm most certainly a Linux
> rookie, but I'm learning (slowly!).
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Mar 27, 2016, at 2:54 PM,EricThorntonewthornton@...
<mailto:EricThorntonewthornton@gmail.com>
> <mailto:EricThorntonewthornton@... <mailto:EricThorntonewthornton@...>>
> <mailto:EricThorntonewthornton@... <mailto:EricThorntonewthornton@...>>
> <mailto:Thorntonewthornton@... <mailto:Thorntonewthornton@...>>
> <mailto:ewthornton@... <mailto:ewthornton@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>>
> wrote:
>
>
> To install pulseaudio, just type "sudo apt-get install
> pulseaudio". Do the same for "pavucontrol".
>
> It should detect any alsa devices automatically. You will
> probably want to add a null sink as your wsjtx playback
> device and then use the nullsink.monitor stream for input to
> quisk.

>
> This definitely sounds like an audio routing problem.
>
> Eric
> ww4et
>
> On Mar 25, 2016 1:08 AM, "MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@msn.com>>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@msn.com>>
> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...m>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
<mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>><mailto:n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> I have both working with Quisk 4.0.3 ....
>
>
> I use snd-aloop as a link between quisk and fldigi/wsjt
> .. notsure if it is needed, but thats the way iv got it
> working ....
>
>
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com> <mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>><mailto:sdr@yahoogroups.com
<mailto:sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> Date: Thu, 24 Mar 2016 21:45:29 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit Problem
>
>
> I'm curious if ANYONE has been successful with Quisk
> 4.0.4 and FLDIGI and/or WSJTX? I'm doing it exactly as
> documented on the Quisk web site. Neither FLDIGI nor
> WSJTX are having their audio picked up by Quisk with the
> setup this way. Those two applications ARE sending the
> audio tones out as they should, because when I tell them
> to send to the HW:0 device it hits my speakers just fine.

>
> I can put screen shots of my configurations up on the
> group's file section, if that will help.
>
> This whole thing is soooo close to working; I can send CW
> from Quisk, I have FLDIGI and WSJTX reading and decoding
> signals very well. What the heck is up with the transmit
> part?
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Mar 24, 2016, at 7:12 PM,Patriot121@... <mailto:Patriot121@...>
> <mailto:Patriot121@... <mailto:Patriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> Thought you were running latest version of quisk ....
>
> Sent fromOutlook Mobile <https://aka.ms/blhgte <https://aka.ms/blhgte>>
>
>
>
>
> On Thu, Mar 24, 2016 at 6:12 PM -0700, "James
> Bennettw6jhb@... <mailto:Bennettw6jhb@...> <mailto:Bennettw6jhb@...
<mailto:Bennettw6jhb@...>>
> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>><mailto:Bennettw6jhb@...
<mailto:Bennettw6jhb@...>>
> <mailto:w6jhb@... <mailto:w6jhb@...>>[n2adr-sdr]"<n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>wrote:
>
> Mike,
>
> Everything on this RPi appears to be ALSA, not Pulse.
> Running pavucontrol only gives me the built-in audio
> output port on the RPI. When I run alsamixer, it
> shows all the ALSA devices, including the Loopback
> device.

>
> On a recommendation from Bill G4WJS from the WSJTX
> development team, I changed WSJTX output to go to the
> default / system output: the speakers on my monitor.
> Doing that produces a nice clean tone when I press
> the Tune button. So, WSJTX is sending a tone signal
> out the door, but Quisk doesn't seem to be hearing
> it, or does not want to send it to the radio. It
> sends the stuff from the radio over to WSJTX and
> FLDIGI, but not the other way.
>
> Wonder what else in Quisk needs changing?
>
> Very strange.
>
> Jim
>
>
> On Thursday, Mar 24, 2016, at Thursday, 1:53
> PM,MIKEDURKINPatriot121@msn.com <mailto:MIKEDURKINPatriot121@...>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> set the digital program to Tx tune ....
>
> then use pavucontrol and to see the levels
> between programs and see if the audio from wsjt-x
> is going where you want it to ....
>
> the path is NOT static, when wsjt-x quits Txing,
> the Tx audio thread disappears ...
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>

> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> Date: Thu, 24 Mar 2016 11:33:35 -0700
> Subject: Re: [n2adr-sdr] Quisk / WSJTX Transmit
> Problem
>
>
> you don't have the audio routing done right
> ....
>
>
>
> Probably (maybe) but it isn’t obvious to me.
>
> On Quisk I have the Digital Input and Digital
> Output both set to hw:3,0 and that’s what the
> Quisk doc sez. Over in FLDIGI, in the
> Configure—>Sound Card—>Audio—>Devices, I have
> both Capture and Playback set to hw:3,1.
>
> Doesn’t seem logical to me, but this is the way
> the documentation sez to set it up. As I said in
> my original post, FLDIGI and WSJT-X can both
> receive and decode signals very well. Rig control
> works on both applications (frequency changes and
> T/R switching). I just don’t get either one to
> make the OmniaSDR send any output. I’m using two
> ways to see that: a second receiver (Elecraft K3)
> and a watt meter that has scales of 0-100 W, 0-1
> W, and 0-100mw. When set at the mw level the
> needed never moves, so for sure no RF is coming
> out.\
>
> If I set the OmniaSDR up for CW, it works just
> fine and produces a nice 1w signal, so it for
> sure can transmit with Quisk.
>
> What else can be wrong??
>
> Jim
>
>
> On Wednesday, Mar 23, 2016, at Wednesday,
> 10:59 PM,MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
> <mailto:MIKEDURKINPatriot121@... <mailto:MIKEDURKINPatriot121@...>>
> <mailto:DURKINPatriot121@... <mailto:DURKINPatriot121@...>>
> <mailto:Patriot121@... <mailto:Patriot121@...>>[n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>

> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>
>
> you don't have the audio routing done right
> ....
>
> ---
> To:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@...m>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> From:n2adr-sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>
> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
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> <mailto:sdr@yahoogroups.com <mailto:sdr@yahoogroups.com>>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> Date: Wed, 23 Mar 2016 22:21:00 -0700
> Subject: [n2adr-sdr] Quisk / WSJTX Transmit
> Problem
>
> OK guys, need some help here. I am running
> Quisk 4.0.4 on a Raspberry Pi3 with Jessie.
> My WSJT-X is version 1.7.0. Also have FLDIGI.
> My radio is an OmniaSDR. Quisk works great
> for me in CW mode by itself. My problem is
> with transmitting from either of those two
> digital applications.
>
> I set up a Quisk Radio file per the online
> documentation where I am using XML-RPC in
> FLDIGI. I get decodes in PSK31 with no
> problem. If I press T/R in FLDIGI, the radio
> goes into transmit mode, but no RF flows.
>
> In WSJT-X, I have it set up to use hamlib per
> the QUISK instructions. I get really great
> decodes in JT65, JT9, and WSPR-2. But, like
> with FLDIGI, pressing the Tune button in
> WSJT-X results in the radio going into
> transmit mode but no RF is generated.
>
> Since both of those applications fail to
> generate a signal, I'm thinking I have
> something set wrong in Quisk, but I sure
> can't figure out where it is. As a side note,
> all aspects of rig control appear to work
> great in both applications - just can't get a
> signal out to my antenna!

>
> Any hints would be appreciated.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
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> Yahoo Groups Links
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>
> n2adr-sdr-fullfeatured@yahoogroups.com <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
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<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
>

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>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
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> Yahoo Groups Links
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> n2adr-sdr-fullfeatured@yahoogroups.com <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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> n2adr-sdr-fullfeatured@yahoogroups.com <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
<mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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2213. Re: [n2adr-sdr] Re: FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2016-04-12 20:29:25 UTC
From: Sid Boyce
Topic: 2203 Message: 2213

Hi Jim,
The only difference in building quisk on ARM is by replacing the codec2 libraries.
There are codec2 libraries for Raspberry Pi and ODROID but I chose to build and use codec2-dev from source.

Thanks again for the great work you do.
73 ... Sid.

On 12/04/16 13:09, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Graeme,
>
>
> Thanks for the kind words. I am glad Quisk continues to be relevant,
> and I plan to continue to support it. And congratulations to all the
> Raspberry Pi people who ported Quisk to that platform.
>
> Jim
> N2ADR
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2214. Re: Quisk / WSJTX Transmit Problem

Yahoo group: n2adr-sdr
Date: 2016-04-12 21:46:21 UTC
From: w6jhb@...
Topic: 2145 Message: 2214

FIXED! Needed to do two things. First, sudo apt-get update. Then, sudo apt-get install libudev-dev.

Thanks for the suggestion, now it's on to using the radio!

2215. QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 05:05:18 UTC
From: Doug
Topic: 2215 Message: 2215

I would like to run Quisk with the Afedri receiver over the network. The Afedri works fine with SDR radio in Windows but since I am moving away from windows I would like to be able to use it in Linux.
My present system is Ubuntu 14.04 with the Mate desktop. I have been in contact with Alex at Afedri but I wanted to ask here for possibly clearer directions if possible. I downloaded the latest Quisk from the site - not Ubuntu repository and the files from the Afedri site for Quisk. I ran into some problems compiling the code for for Python.
Below is some of my dialog with Alex at Afredri. Has anyone done this in Linux or specifically Ubuntu 14.04, kernel 3.19.0-58-generic
gcc - 4.8.4

OK, I will run through that again. I think that is the way I did it. As in my first message I get compile errors when running the afe_library script which are not related to not finding something but rather source code errors. I am using the standard GCC 4.8.4 which is part of the Ubuntu 14.04 distribution -

```
 sudo ./afe_library
afedrinet_io.c: In function ‘afedri_read_rx_udp’:
afedrinet_io.c:229:4: warning: format ‘%i’ expects argument of type ‘int’, but argument 2 has type ‘ssize_t’ [-Wformat=]
    printf("read_rx_udp: Bad block size %i\n", bytes);
    ^
/usr/bin/ld: /tmp/ccW5teJV.o: relocation R_X86_64_32 against `.rodata' can not be used when making a shared object; recompile with -fPIC
/tmp/ccW5teJV.o: error adding symbols: Bad value
collect2: error: ld returned 1 exit status
```

Have you compiled this with Linux? This version?

Doug,
I am not proffesional Linux programmer, cannot give advice for every issue.
I can suppose that the *.so file that exists in afedrinet folder - was compiled on my PC and is not compatible with your distro...

I can recommend only in the beginning:
1. go to afedrinet folder and delete all *.so and *.pyd files
2. try to run afe_library script again.
Check your Python version (2.6 or 2.7 etc..) and which path used by python on your Linux distro.
Edit afe_library accordingly.
You ask me how - I do not remember.
Finally it must work
73!
Alex

Any help would be greatly appreciated.

Doug Crompton
WA3DSP
http://www.crompton.com

2216. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 07:40:20 UTC
From: alex@...
Topic: 2215 Message: 2216

Doug,
The fact that you can run SDR-Radio has no any connection to Quisk.

I have two important questions:

1. Have you installed standard Quisk package?
2. Can you run Quisk with sound card device?

You can begin with AFEDRI related installation only after first two steps are done and you can run Quisk with sound card device (by the way it will work also with AFEDRI USB connection too).

73!
Alex

2217. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 16:14:57 UTC
From: dsc3507@...
Topic: 2215 Message: 2217

The reason I mentioned that both Quisk and Afedri work independently is to allay any questions about that. The Afedri works over the network fine and Quisk comes up and displays with sound input under Ubuntu.

The problem remains that the Afedri code will not compile. If I can't get this code to compile I cannot go any further. My question is has anyone gotten quisk to work with Ubuntu or any other recent Linux distribution and if so what was the process you used. If this code won't compile I can't get it to work. It seems the instructions are heavily geared towards the Mac but it says it works on Linux. Again my compile errors below....

```
doug@doug-Lenovo:~/quisk-4.0.5/afedrinet$ sudo ./afe_library
afedrinet_io.c: In function ‘afedri_read_rx_udp’:
afedrinet_io.c:229:4: warning: format ‘%i’ expects argument of type ‘int’, but argument 2
has type ‘ssize_t’ [-Wformat=]
printf("read_rx_udp: Bad block size %i\n", bytes);
^
/usr/bin/ld: /tmp/ccV3vgHt.o: relocation R_X86_64_32 against `.rodata' can not be used
when making a shared object; recompile with -fPIC
/tmp/ccV3vgHt.o: error adding symbols: Bad value
collect2: error: ld returned 1 exit status
```

And again... Ubuntu 14.04, Kernel 3.19.0-58-generic, gcc 4.8.4

So can I please hear from anyone running quisk with the Afedri in network mode on a Linux system?

2219. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 17:52:20 UTC
From: alex@...
Topic: 2215 Message: 2219

Doug,

I've just checked what is inside of afe_script on my Ubuntu 14.1 Linux

So you have to try to change the script according the error message recommendation: i.e. to add -fPIC to gcc compiler options:
so my Ubuntu 14.1 scripts look like:

```
gcc -o afedrinet_io.so --shared afedrinet_io.c ../is_key_down.c ../import_quisk_api.c
-fPIC -O3 -I"../" -I"/usr/include/python2.7/" -lpython2.7
```

73!

2220. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 18:23:01 UTC
From: alex@...
Topic: 2215 Message: 2220

Doug,
It script sometimes have to be adopted to specific Linux distro, in your case, you can try next:

1. Try to run ./afe_library as user and not to use sudo (root) to run script as you do.
2. Try to do what error message recommends to you i.e. to add -fPIC to gcc compiler options:
so that scripts look like:

```
gcc -o afedrinet_io.so --shared afedrinet_io.c ../is_key_down.c ../import_quisk_api.c
-fPIC -O3 -I"../" -I"/usr/include/python2.7/" -lpython2.7
```

I successfuly compiled and running Quisk on any Windos, Linux and MAC OS X computer that I have at home:
Windows XP
Windows 7-64
Fedora 19
Ubuntu 14.1 64 bit
It is compiled and running even on ARM MarsBoard with Linux
MAC OS X El Capitan

73!
Alex

2221. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 18:38:42 UTC
From: Doug
Topic: 2215 Message: 2221

OK that fixed the error and the .so file was produced. There still is a minor? warning which I guess I can ignore. Shown below.

```
doug@doug-Lenovo:~/quisk-4.0.5/afedrinet$ sudo ./afe_library
[sudo] password for doug:
afedrinet_io.c: In function ‘afedri_read_rx_udp’:
afedrinet_io.c:229:4: warning: format ‘%i’ expects argument of type ‘int’, but argument 2
has type ‘ssize_t’ [-Wformat=]
    printf("read_rx_udp: Bad block size %i\n", bytes);
```

Doug Crompton
WA3DSP
http://www.crompton.com

2222. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-13 20:55:32 UTC
From: alex@...
Topic: 2215 Message: 2222

Doug, You can ignore this warning - or you correct the source code ...

73!
Alex

2223. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-15 02:52:19 UTC
From: dsc3507@...
Topic: 2215 Message: 2223

Alex,

OK all is fine and decoding. Very easy really just that hitch with the compilation.

Question - how do I change the sample rate? I have this in my config file .quisk_config.py

Nothing I seem to change here changes the sample rate from 740740. What am I doing wrong. Here are my current settings which are stock except for the IP address....

```
from afedrinet import quisk_hardware # Use different hardware file
use_rx_udp = 1 # Get ADC samples from UDP
rx_udp_ip = "192.168.0.82" # Sample source IP address
rx_udp_port = 50000 # Sample source UDP port
rx_udp_clock = 80000000 # ADC sample rate in Hertz
#rx_udp_decimation = 8 * 8 * 8 # Decimation from clock to UDP sample rate
#sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5) # Don't change this
change this
data_poll_usec = 10000
#sample_rate = 192000 # ADC hardware sample rate in Hertz
sample_rate = 740740 # ADC hardware sample rate in Hertz
```

2224. Re: QUISK with Afredri net

Yahoo group: n2adr-sdr
Date: 2016-04-16 05:27:55 UTC
From: alex@...
Topic: 2215 Message: 2224

Doug,

Sample rate change is very simple:
Quisk has menu that allows to change sample rate press Config button and go to Config tab.

73!
Alex

2225. Re: Unable to deliver your message

Yahoo group: n2adr-sdr
Date: 2016-04-19 06:34:27 UTC
From: Michael Durkin
Topic: 2225 Message: 2225

Has any one used soundmodem with quisk lately ? with a snd-aloop ?

ill try one more time sending this ...

On Mon, Apr 18, 2016 at 11:32 PM, Michael Durkin <kc7noa@...> wrote:

> Has any one used soundmodem with quisk lately ?
>
> try again ....
>
>
> ---------- Forwarded message ----------
> From: Yahoo Groups <notify@yahoogroups.com>
> Date: Mon, Apr 18, 2016 at 10:46 PM
> Subject: Unable to deliver your message
> To: kc7noa@...
>
>
>
> We are unable to deliver the message from <kc7noa@...>
> to <n2adr-sdr@yahoogroups.com>.
>
> The email address used to send your message is not subscribed to this
> group. If you are a member of this group, please be aware that you may
> only send messages to this group using the email address(es) you have
> registered with Yahoo Groups.
>
> If you would like to subscribe to this group:
> 1. visit
> http://groups.yahoo.com/group/n2adr-sdr/join
> -OR-
> 2. send email to n2adr-sdr-subscribe@yahoogroups.com
>
> For further assistance, please visit
> http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.html
>
>
> ---------- Forwarded message ----------
> From: Michael Durkin <kc7noa@...>
> To: n2adr-sdr@yahoogroups.com
> Cc:
> Date: Mon, 18 Apr 2016 22:46:34 -0700
> Subject: packet radio
> Has any one used soundmodem with quisk lately ?
>
>

>

2226. Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-23 00:07:35 UTC
From: James Bennett
Topic: 2226 Message: 2226

Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?

I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.

Jim / W6JHB

2227. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-23 02:26:03 UTC
From: Graeme Jury
Topic: 2226 Message: 2227

I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.

73, Graeme ZL2APV

On 23/04/16 12:07, James Bennett w6jhb@... [n2adr-sdr] wrote:
> Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO's made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?
>
> I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I've got to do the paper and pencil boogie to get my QSO's logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.
>
> Jim / W6JHB
>
>

2228. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-23 15:02:41 UTC
From: James Bennett
Topic: 2226 Message: 2228

I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.

Jim Bennett / W6JHB
Folsom, CA

> On Apr 22, 2016, at 7:26 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.
>
> 73, Graeme ZL2APV
>
>> On 23/04/16 12:07, James Bennett w6jhb@me.com [n2adr-sdr] wrote:
>>
>> Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?
>>
>> I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.
>>
>> Jim / W6JHB
>>
>
>

2229. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-23 20:08:33 UTC
From: Graeme Jury
Topic: 2226 Message: 2229

Hello Jim,

My rig settings in my log program are ...

Host = localhost
Port = 4575
Rig model = 2 Hamlib NET rigctl

Hope these can start you off OK.

73, Graeme ZL2APV

On 24/04/16 03:02, James Bennett w6jhb@... [n2adr-sdr] wrote:
> I don't think the Mac is where I need hamlib - I use Quisk on a
> Raspberry Pi which runs Linux. And since I also have WSJTX installed
> on the RPi, hamlib is also there. So I guess I need to do some
> research and see HOW hamlib can be used to do what I want, with Quisk.
>
> Jim Bennett / W6JHB
> Folsom, CA
>
> On Apr 22, 2016, at 7:26 PM, Graeme Jury gvjury@...
> <mailto:gvjury@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>> I interface to my log program (CQRLog and Xlog for contesting) with
>> Hamlib. I am a Linux user and don't know much about the mac but would
>> be surprised if there is not a version of Hamlib for it.
>>
>> 73, Graeme ZL2APV
>>
>> On 23/04/16 12:07, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>
>>> Wondering if anyone has investigated the possibility of having Quisk
>>> write out an ADIF record so that QSO's made with it can be input to
>>> a logging program? Or perhaps interface with a home-grown
>>> application that does that?
>>>
>>> I ask because my main logging program is MacLoggerDX (MLDX) that
>>> runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an
>>> OmniaSDR rig. After each QSO I've got to do the paper and pencil
>>> boogie to get my QSO's logged into MLDX. Sure would be nice to have
>>> an ADIF created that I could haul into MLDX and get the job done.
>>>
>>> Jim / W6JHB
>>>

>>
>

2230. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-24 18:16:30 UTC
From: James Bennett
Topic: 2226 Message: 2230

Hi Graeme,

Thanks for the info on your settings! Just to help my feeble brain get a handle on this, do you run both Quisk AND either one of these logging programs at the same time?

Jim / W6JHB

> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Hello Jim,
>
> My rig settings in my log program are ...
>
> Host = localhost
> Port = 4575
> Rig model = 2 Hamlib NET rigctl
>
> Hope these can start you off OK.
>
> 73, Graeme ZL2APV
>
> On 24/04/16 03:02, James Bennett w6jhb@... <mailto:w6jhb@me.com> [n2adr-sdr] wrote:
>>
>> I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.
>>
>> Jim Bennett / W6JHB
>> Folsom, CA
>>
>> On Apr 22, 2016, at 7:26 PM, Graeme Jury <mailto:gvjury@...>gvjury@... <mailto:gvjury@gmail.com> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>>
>>>
>>> I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.
>>>
>>> 73, Graeme ZL2APV
>>>
>>> On 23/04/16 12:07, James Bennett <mailto:w6jhb@...>w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] wrote:

>>>>
>>>> Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?
>>>>
>>>> I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.
>>>>
>>>> Jim / W6JHB
>>>>
>>>
>
>
>

2231. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-24 19:33:28 UTC
From: Graeme Jury
Topic: 2226 Message: 2231

Hi Jim,

Yes that is right. Both my logging programs can control the frequency in Quisk and switch bands and modes. It also works the other way so If I change frequency, bands or modes in Quisk it reflects back into my log program. My log program also produces voice and CW signals so I can automatically call CQ etc. and this will drive Quisk also. I can run Quisk, the log program and wsjtx all at the same time.

I notice that in the recent versions of hamlib there is a dedicated N2ADR interface now which I have not tried but I expect that it may be better than using the generic network radio of type 2 as I presently do.

If your port number 4575 clashes with other software, Quisk allows you to change it.

If you are using Quisk to source cluster information, you can't use the same node for your cluster as your log does. Fortunately there are two nodes in ZL so I am OK here. You will have a ton of nodes in your area.

73, Graeme ZL2APV

On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Hi Graeme,
>
>
> Thanks for the info on your settings! Just to help my feeble brain get
> a handle on this, do you run both Quisk AND either one of these
> logging programs at the same time?
>
> Jim / W6JHB
>
>
>> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury
>> gvjury@... <mailto:gvjury@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> Hello Jim,
>>
>> My rig settings in my log program are ...
>>
>> Host = localhost
>> Port = 4575
>> Rig model = 2 Hamlib NET rigctl

>>
>> Hope these can start you off OK.
>>
>> 73, Graeme ZL2APV
>>
>> On 24/04/16 03:02, James Bennettw6jhb@...[n2adr-sdr] wrote:
>>> I don't think the Mac is where I need hamlib - I use Quisk on a
>>> Raspberry Pi which runs Linux. And since I also have WSJTX installed
>>> on the RPi, hamlib is also there. So I guess I need to do some
>>> research and see HOW hamlib can be used to do what I want, with Quisk.
>>>
>>> Jim Bennett / W6JHB
>>> Folsom, CA
>>>
>>> On Apr 22, 2016, at 7:26 PM, Graeme Jurygvjury@...[n2adr-sdr]
>>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>>
>>>>
>>>> I interface to my log program (CQRLog and Xlog for contesting) with
>>>> Hamlib. I am a Linux user and don't know much about the mac but
>>>> would be surprised if there is not a version of Hamlib for it.
>>>>
>>>> 73, Graeme ZL2APV
>>>>
>>>> On 23/04/16 12:07, James Bennettw6jhb@...[n2adr-sdr] wrote:
>>>>>
>>>>> Wondering if anyone has investigated the possibility of having
>>>>> Quisk write out an ADIF record so that QSO's made with it can be
>>>>> input to a logging program? Or perhaps interface with a home-grown
>>>>> application that does that?
>>>>>
>>>>> I ask because my main logging program is MacLoggerDX (MLDX) that
>>>>> runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an
>>>>> OmniaSDR rig. After each QSO I've got to do the paper and pencil
>>>>> boogie to get my QSO's logged into MLDX. Sure would be nice to
>>>>> have an ADIF created that I could haul into MLDX and get the job done.
>>>>>
>>>>> Jim / W6JHB
>>>>>
>>>>
>>
>>
>
>

2232. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-04-24 19:40:02 UTC
From: James Bennett
Topic: 2226 Message: 2232

Hi again!

I looked at the web site for CWRlog and it looks like there are a couple pre-req apps I need, like MYSQL. I'm using a Raspberry Pi3 so it should be interesting to see if these apps will work on that platform. Hope they will!

Jim

> On Apr 24, 2016, at 12:33, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Jim,
>
> Yes that is right. Both my logging programs can control the frequency in Quisk and switch bands and modes. It also works the other way so If I change frequency, bands or modes in Quisk it reflects back into my log program. My log program also produces voice and CW signals so I can automatically call CQ etc. and this will drive Quisk also. I can run Quisk, the log program and wsjtx all at the same time.
>
> I notice that in the recent versions of hamlib there is a dedicated N2ADR interface now which I have not tried but I expect that it may be better than using the generic network radio of type 2 as I presently do.
>
> If your port number 4575 clashes with other software, Quisk allows you to change it.
>
> If you are using Quisk to source cluster information, you can't use the same node for your cluster as your log does. Fortunately there are two nodes in ZL so I am OK here. You will have a ton of nodes in your area.
>
> 73, Graeme ZL2APV
>
>> On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>
>> Hi Graeme,
>>
>>
>> Thanks for the info on your settings! Just to help my feeble brain get a handle on this, do you run both Quisk AND either one of these logging programs at the same time?
>>
>> Jim / W6JHB
>>
>>
>>> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>
>>>

>>> Hello Jim,
>>>
>>> My rig settings in my log program are ...
>>>
>>> Host = localhost
>>> Port = 4575
>>> Rig model = 2 Hamlib NET rigctl
>>>
>>> Hope these can start you off OK.
>>>
>>> 73, Graeme ZL2APV
>>>
>>>> On 24/04/16 03:02, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>>
>>>> I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Apr 22, 2016, at 7:26 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>>
>>>>>
>>>>>
>>>>> I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.
>>>>>
>>>>> 73, Graeme ZL2APV
>>>>>
>>>>>> On 23/04/16 12:07, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>>>>
>>>>>> Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?
>>>>>>
>>>>>> I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.
>>>>>>
>>>>>> Jim / W6JHB
>>>>>>
>>>
>>

2233. Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-08 22:02:28 UTC
From: gvjury@...
Topic: 2233 Message: 2233

I get infrequent crashes using Pulse Audio on Quisk. The system is very stable with Alsa but crashes on about one in ten sessions with Pulse.

The crashes seem to occur only while transmitting but it is possible that an Rx crash has occurred.

I am running a play latency of 50 mSec and a stream of 48k using pulse:hw:0,0 for mic and spkr.

It is occurring using SSB and I have only used Alsa with FreeDV and whisper so far.

I have run Quisk from a terminal and have captured the session ...

```
gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Pulseaudio threaded mainloop started
Waiting for 4 streams to start
Connected to gvj-Mint
Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening Device digital-in.monitor
Opening Device alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not suspended). Buffer
metrics pulse:alsa_input.pci-0000_00_05.0.analog-stereo: maxlength=4194304, fragsize=2060
Connected to device digital-in.monitor (3, not suspended). Buffer metrics
pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not suspended). Buffer
metrics pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304, prebuf=7204,
tlength=9600 minreq=2400
Connected to device digital-out (1, not suspended). All streams started
Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164, tlength=96000
minreq=3840
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo

[ 25 instances of underrun and startup have been clipped to save repetition ]

Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
```

```
Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
*** Error in `python': free(): invalid next size (normal): 0x00007f01800419a0 ***
Aborted
gvj@gvj-Mint ~/Programs/quisk $
```

73, Graeme ZL2APV

2234. Re: [n2adr-sdr] Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-08 22:18:00 UTC
From: Michael Durkin
Topic: 2233 Message: 2234

Ill assume that your running version 4.0.5 ?

On Sun, May 8, 2016 at 3:02 PM, gvjury@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I get infrequent crashes using Pulse Audio on Quisk. The system is very
> stable with Alsa but crashes on about one in ten sessions with Pulse.
>
>
> The crashes seem to occur only while transmitting but it is possible that
> an Rx crash has occurred.
>
>
> I am running a play latency of 50 mSec and a stream of 48k using
> pulse:hw:0,0 for mic and spkr.
>
>
> It is occurring using SSB and I have only used Alsa with FreeDV and
> whisper so far.
>
>
> I have run Quisk from a terminal and have captured the session ...
>
>
> gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server request channel
> jack server is not running or cannot be started
> Pulseaudio threaded mainloop started
> Waiting for 4 streams to start
> Connected to gvj-Mint
> Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening Device
> digital-in.monitor Opening Device
> alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
> Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not

> suspended). Buffer metrics pulse:alsa_input.pci-0000_00_05.0.analog-stereo:
> maxlength=4194304, fragsize=2060
> Connected to device digital-in.monitor (3, not suspended). Buffer metrics
> pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
> Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not
> suspended). Buffer metrics
> pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304,
> prebuf=7204, tlength=9600 minreq=2400
> Connected to device digital-out (1, not suspended). All streams started
> Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164,
> tlength=96000 minreq=3840
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
>
>
> [25 instances of underrun and startup have been clipped to save
> repetition]
>
>
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> *** Error in `python': free(): invalid next size (normal):
> 0x00007f01800419a0 ***
> Aborted
> gvj@gvj-Mint ~/Programs/quisk $
>
>
> 73, Graeme ZL2APV
>
>
>
>

2235. Re: [n2adr-sdr] Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-08 23:40:54 UTC
From: Eric Thornton
Topic: 2233 Message: 2235

Graeme,

Looks like you're using Mint. Do you know what version of Pulseaudio it is running? I rewrote the pulseaudio backend and in all my testing I haven't run into this error before. Are you using the latest version of Quisk?

On instances that crash, did the stream start/stop errors occur in a very brief time? Is the crash preceded by any erratic behavior or does it just "die"? Is "pulse:alsa_output.pci-0000_00_05.0.analog-stereo" a local playback stream or an outgoing IQ transmit stream?

I'm doing a little research as we speak to see where to look.

Eric
WW4ET

On Sun, May 8, 2016 at 6:02 PM, gvjury@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I get infrequent crashes using Pulse Audio on Quisk. The system is very
> stable with Alsa but crashes on about one in ten sessions with Pulse.
>
>
> The crashes seem to occur only while transmitting but it is possible that
> an Rx crash has occurred.
>
>
> I am running a play latency of 50 mSec and a stream of 48k using
> pulse:hw:0,0 for mic and spkr.
>
>
> It is occurring using SSB and I have only used Alsa with FreeDV and
> whisper so far.
>
>
> I have run Quisk from a terminal and have captured the session ...
>
>
> gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> bt_audio_service_open: connect() failed: Connection refused (111)

> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server request channel
> jack server is not running or cannot be started
> Pulseaudio threaded mainloop started
> Waiting for 4 streams to start
> Connected to gvj-Mint
> Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening Device
> digital-in.monitor Opening Device
> alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
> Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not
> suspended). Buffer metrics pulse:alsa_input.pci-0000_00_05.0.analog-stereo:
> maxlength=4194304, fragsize=2060
> Connected to device digital-in.monitor (3, not suspended). Buffer metrics
> pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
> Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not
> suspended). Buffer metrics
> pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304,
> prebuf=7204, tlength=9600 minreq=2400
> Connected to device digital-out (1, not suspended). All streams started
> Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164,
> tlength=96000 minreq=3840
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
>
>
> [25 instances of underrun and startup have been clipped to save
> repetition]
>
>
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
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> *** Error in `python': free(): invalid next size (normal):
> 0x00007f01800419a0 ***
> Aborted
> gvj@gvj-Mint ~/Programs/quisk $
>
>
> 73, Graeme ZL2APV
>
>
>
>

2236. Re: Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-09 05:26:22 UTC
From: gvjury@...
Topic: 2233 Message: 2236
Attachments: 1 described; binary payloads are missing from this source WARC

Yes it was very remiss of me to omit the pertinent information. Linux Mint as you guessed Eric and Quisk-4.0.5 Michael. My pulse info below ...

```
gvj@gvj-Mint ~ $ pulseaudio --version
pulseaudio 4.0

gvj@gvj-Mint ~ $ dpkg -l pulseaudio
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name Version Architecture Description
+++-==============-============-============-=================================
ii pulseaudio 1:4.0-0ubunt amd64 PulseAudio sound server

gvj@gvj-Mint ~ $ uname -a
Linux gvj-Mint 3.19.0-32-generic #37~14.04.1-Ubuntu SMP Thu Oct 22 09:41:40 UTC 2015
x86_64 x86_64 x86_64 GNU/Linux
gvj@gvj-Mint ~
```

I mentioned a while ago that it would be good to have text screens on the config menu and here is a good case in point where it is helpful but I have included a screenshot of my audio from quisk.

I appreciate your attention to the problem guys and Eric you may be interested to know that Pulse works better than Alsa on my old laptop running on wifi using 802.11g with freeze and catchup about every minute or two but Alsa is every several seconds. I guess 802.11g does not quite have the speed. Not sure why Pulse works better as I expected the reverse.

73, Graeme ZL2APV

2237. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-09 18:01:59 UTC
From: James Bennett
Topic: 2226 Message: 2237

Hi Graeme!

I finally got some time on the Raspberry Pi and..... got CQRlog installed and working with Quisk and my OmniaSDR rig. Seems to work quite well,with one exception - changing mode in Quisk does not change it in CQRlog. I probably have something set wrong in CQRlog and will do some more investigating on that later today. I also need to get FLDIGI installed. And then figure out how to route the JT65 and JT9 audio tones back and forth between Quisk and WSJT-X. So much to do, so little time.... :-

Jim Bennett / W6JHB
Folsom, CA

> On Apr 24, 2016, at 12:33 PM, Graeme Jury gvjury@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> Hi Jim,
>
> Yes that is right. Both my logging programs can control the frequency in Quisk and switch bands and modes. It also works the other way so If I change frequency, bands or modes in Quisk it reflects back into my log program. My log program also produces voice and CW signals so I can automatically call CQ etc. and this will drive Quisk also. I can run Quisk, the log program and wsjtx all at the same time.
>
> I notice that in the recent versions of hamlib there is a dedicated N2ADR interface now which I have not tried but I expect that it may be better than using the generic network radio of type 2 as I presently do.
>
> If your port number 4575 clashes with other software, Quisk allows you to change it.
>
> If you are using Quisk to source cluster information, you can't use the same node for your cluster as your log does. Fortunately there are two nodes in ZL so I am OK here. You will have a ton of nodes in your area.
>
> 73, Graeme ZL2APV
>
>> On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>
>> Hi Graeme,
>>
>>
>> Thanks for the info on your settings! Just to help my feeble brain get a handle on this, do you run both Quisk AND either one of these logging programs at the same time?
>>
>> Jim / W6JHB
>>
>>

>>> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>
>>>
>>> Hello Jim,
>>>
>>> My rig settings in my log program are ...
>>>
>>> Host = localhost
>>> Port = 4575
>>> Rig model = 2 Hamlib NET rigctl
>>>
>>> Hope these can start you off OK.
>>>
>>> 73, Graeme ZL2APV
>>>
>>>> On 24/04/16 03:02, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>>
>>>> I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.
>>>>
>>>> Jim Bennett / W6JHB
>>>> Folsom, CA
>>>>
>>>> On Apr 22, 2016, at 7:26 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>>
>>>>>
>>>>>
>>>>> I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.
>>>>>
>>>>> 73, Graeme ZL2APV
>>>>>
>>>>>> On 23/04/16 12:07, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>>>>
>>>>>> Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?
>>>>>>
>>>>>> I ask because my main logging program is MacLoggerDX (MLDX) that runs on my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig. After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s logged into MLDX. Sure would be nice to have an ADIF created that I could haul into MLDX and get the job done.
>>>>>>
>>>>>> Jim / W6JHB
>>>>>>

>
>

2238. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-09 19:09:49 UTC
From: Michael Durkin
Topic: 2226 Message: 2238

I set quisk digital to use snd-aloop ... problem is most times you have to build it into the kernel

For Rx using the monitor of quisk radio output works fine ... but for TX is a problem without the loop ... that I've been able to figure out by myself
On May 9, 2016 11:02 AM, "James Bennett w6jhb@me.com [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Hi Graeme!

I finally got some time on the Raspberry Pi and..... got CQRlog installed and working with Quisk and my OmniaSDR rig. Seems to work quite well,with one exception - changing mode in Quisk does not change it in CQRlog. I probably have something set wrong in CQRlog and will do some more investigating on that later today. I also need to get FLDIGI installed. And then figure out how to route the JT65 and JT9 audio tones back and forth between Quisk and WSJT-X. So much to do, so little time.... :-

Jim Bennett / W6JHB
Folsom, CA

On Apr 24, 2016, at 12:33 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Jim,

Yes that is right. Both my logging programs can control the frequency in Quisk and switch bands and modes. It also works the other way so If I change frequency, bands or modes in Quisk it reflects back into my log program. My log program also produces voice and CW signals so I can automatically call CQ etc. and this will drive Quisk also. I can run Quisk, the log program and wsjtx all at the same time.

I notice that in the recent versions of hamlib there is a dedicated N2ADR interface now which I have not tried but I expect that it may be better than using the generic network radio of type 2 as I presently do.

If your port number 4575 clashes with other software, Quisk allows you to change it.

If you are using Quisk to source cluster information, you can't use the same node for your cluster as your log does. Fortunately there are two nodes in ZL so I am OK here. You will have a ton of nodes in your area.

73, Graeme ZL2APV

On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:

Hi Graeme,

Thanks for the info on your settings! Just to help my feeble brain get a handle on this, do you run both Quisk AND either one of these logging programs at the same time?

Jim / W6JHB

On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury <gvjury@...>gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hello Jim,

My rig settings in my log program are ...

Host = localhost
Port = 4575
Rig model = 2 Hamlib NET rigctl

Hope these can start you off OK.

73, Graeme ZL2APV

On 24/04/16 03:02, James Bennett <w6jhb@...>w6jhb@... [n2adr-sdr] wrote:

I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.

Jim Bennett / W6JHB
Folsom, CA

On Apr 22, 2016, at 7:26 PM, Graeme Jury <gvjury@...>gvjury@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

I interface to my log program (CQRLog and Xlog for contesting) with Hamlib. I am a Linux user and don't know much about the mac but would be surprised if there is not a version of Hamlib for it.

73, Graeme ZL2APV

On 23/04/16 12:07, James Bennett <w6jhb@...>w6jhb@... [n2adr-sdr] wrote:

Wondering if anyone has investigated the possibility of having Quisk write out an ADIF record so that QSO’s made with it can be input to a logging program? Or perhaps interface with a home-grown application that does that?

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into MLDX and get the job done.

Jim / W6JHB

2239. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-09 19:39:14 UTC
From: James Bennett
Topic: 2226 Message: 2239

Yep, that's what I've been trying to do, too. I set up the alsa loop so it is started at boot time, but it is still not working very well. If I simply set WSJT-X audio to use the SDR directly it works great. But I've been told it is not good practice to do so; that the audio needs to be routed through an application like Quisk. Very frustrating.

Jim Bennett / W6JHB
Folsom, CA

> On May 9, 2016, at 12:09 PM, Michael Durkin kc7noa@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:
>
> I set quisk digital to use snd-aloop ... problem is most times you have to build it into the kernel
>
> For Rx using the monitor of quisk radio output works fine ... but for TX is a problem without the loop ... that I've been able to figure out by myself
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> Jim Bennett / W6JHB
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>>
>> 73, Graeme ZL2APV
>>
>>> On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:
>>>
>>> Hi Graeme,
>>>
>>>
>>> Thanks for the info on your settings! Just to help my feeble brain get a handle on this, do you run both Quisk AND either one of these logging programs at the same time?
>>>
>>> Jim / W6JHB
>>>
>>>
>>>> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>>>
>>>> Hello Jim,
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>>>> My rig settings in my log program are ...
>>>>
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>>>> Port = 4575
>>>> Rig model = 2 Hamlib NET rigctl
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>>>>> I don't think the Mac is where I need hamlib - I use Quisk on a Raspberry Pi which runs Linux. And since I also have WSJTX installed on the RPi, hamlib is also there. So I guess I need to do some research and see HOW hamlib can be used to do what I want, with Quisk.
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>>>>>>>
>>>>>>> Jim / W6JHB
>>>>>>>
>
>

2240. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-09 20:07:32 UTC
From: Michael Durkin
Topic: 2226 Message: 2240

The Pi might now have enough to do it all ....

Im set to 48Khz@16bit for the default pulse config .... and Quisk too ....

And if you used paprefs to put the audio stream on the lan .. undo that ...
you simply wont have enuff bandwidth for it all ...

Or its got to do with the new 64bit ubuntu and needs to mature some more
... not sure.

On Mon, May 9, 2016 at 12:39 PM, James Bennett w6jhb@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Yep, that's what I've been trying to do, too. I set up the alsa loop so it
> is started at boot time, but it is still not working very well. If I simply
> set WSJT-X audio to use the SDR directly it works great. But I've been told
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> Jim Bennett / W6JHB
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> change it.
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> On 25/04/16 06:16, James Bennett w6jhb@... [n2adr-sdr] wrote:
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> Jim / W6JHB
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> On Saturday, Apr 23, 2016, at Saturday, 1:08 PM, Graeme Jury
> <gvjury@...>gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com>

> wrote:
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> Pi which runs Linux. And since I also have WSJTX installed on the RPi,
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> On Apr 22, 2016, at 7:26 PM, Graeme Jury <gvjury@...>
> gvjury@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>
>
> I interface to my log program (CQRLog and Xlog for contesting) with
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> surprised if there is not a version of Hamlib for it.
>
> 73, Graeme ZL2APV
>
> On 23/04/16 12:07, James Bennett <w6jhb@...>w6jhb@... [n2adr-sdr]
> wrote:
>
>
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> Wondering if anyone has investigated the possibility of having Quisk write
> out an ADIF record so that QSO’s made with it can be input to a logging
> program? Or perhaps interface with a home-grown application that does that?
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> I ask because my main logging program is MacLoggerDX (MLDX) that runs on
> my iMac. I use Quisk 4.0.4 on a Raspberry Pi along with an OmniaSDR rig.
> After each QSO I’ve got to do the paper and pencil boogie to get my QSO’s

> logged into MLDX. Sure would be nice to have an ADIF created that I could
> haul into MLDX and get the job done.
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> Jim / W6JHB
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2241. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-10 23:33:18 UTC
From: Sid Boyce
Topic: 2226 Message: 2241

True for the old Pi model B, Pi 2 or P3 may be OK.
73 ... Sid.

On 09/05/16 21:07, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> The Pi might now have enough to do it all ....
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> Im set to 48Khz@16bit for the default pulse config .... and Quisk too ....
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> And if you used paprefs to put the audio stream on the lan .. undo
> that ... you simply wont have enuff bandwidth for it all ...
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>> I set quisk digital to use snd-aloop ... problem is most times
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>> For Rx using the monitor of quisk radio output works fine ... but
>> for TX is a problem without the loop ... that I've been able to
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>>> frequency in Quisk and switch bands and modes. It also works
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>>> also produces voice and CW signals so I can automatically
>>> call CQ etc. and this will drive Quisk also. I can run
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>>> I notice that in the recent versions of hamlib there is a
>>> dedicated N2ADR interface now which I have not tried but I
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>>> Fortunately there are two nodes in ZL so I am OK here. You
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>>>> Hi Graeme,
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>>>>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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>>>>> Hello Jim,
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>>>>> My rig settings in my log program are ...
>>>>>
>>>>> Host = localhost
>>>>> Port = 4575
>>>>> Rig model = 2 Hamlib NET rigctl
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>>>>> Hope these can start you off OK.
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>>>>>> there. So I guess I need to do some research and see HOW
>>>>>> hamlib can be used to do what I want, with Quisk.
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>>>>>> Jim Bennett / W6JHB
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>>>>>>> I interface to my log program (CQRLog and Xlog for
>>>>>>> contesting) with Hamlib. I am a Linux user and don't
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2242. Re: [n2adr-sdr] Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-11 00:14:40 UTC
From: Sid Boyce
Topic: 2233 Message: 2242

Hi Graeme,
I hope to checkout TX tomorrow. The BGA616 driver failed and took out
the tracks so I built the replacement on a small piece of PCB with wires
soldered to components on the HiQSDR board.

I have had no problems on HiQSDR RX with a Pi model B (48K) then a Pi 2
(96K) and for 11 hours the ODROID-C2 (384K) all running quisk
auto-started on a 7 inch touchscreen so no startup messages.
Hermes-Lite runs quisk at 384K on a -C2 with a 7 inch touchscreen and
only the usual startup audio reports you also see but no failures.

Quisk on the -C2's configured for pulseaudio version 1:8.0-0ubuntu3 arm64.
73 ... Sid.

On 08/05/16 23:02, gvjury@... [n2adr-sdr] wrote:
>
> I get infrequent crashes using Pulse Audio on Quisk. The system is
> very stable with Alsa but crashes on about one in ten sessions with Pulse.
>
>
> The crashes seem to occur only while transmitting but it is possible
> that an Rx crash has occurred.
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>
> I am running a play latency of 50 mSec and a stream of 48k using
> pulse:hw:0,0 for mic and spkr.
>
>
> It is occurring using SSB and I have only used Alsa with FreeDV and
> whisper so far.
>
>
> I have run Quisk from a terminal and have captured the session ...
>
>
> gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server request channel

> jack server is not running or cannot be started
> Pulseaudio threaded mainloop started
> Waiting for 4 streams to start
> Connected to gvj-Mint
> Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening
> Device digital-in.monitor Opening Device
> alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
> Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not
> suspended). Buffer metrics
> pulse:alsa_input.pci-0000_00_05.0.analog-stereo: maxlength=4194304,
> fragsize=2060
> Connected to device digital-in.monitor (3, not suspended). Buffer
> metrics pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
> Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not
> suspended). Buffer metrics
> pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304,
> prebuf=7204, tlength=9600 minreq=2400
> Connected to device digital-out (1, not suspended). All streams started
> Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164,
> tlength=96000 minreq=3840
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
>
>
> [25 instances of underrun and startup have been clipped to save
> repetition]
>
>
> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
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> Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> *** Error in `python': free(): invalid next size (normal):
> 0x00007f01800419a0 ***
> Aborted
> gvj@gvj-Mint ~/Programs/quisk $
>
>
> 73, Graeme ZL2APV
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--
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2243. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-11 00:17:18 UTC
From: James Bennett
Topic: 2226 Message: 2243

Well, on my RPi 3 something is sure amiss. Using the ALSA loop back I have no problem routing digital output from Quisk 4.0.4 over to either FLDIGI or WSJT-X. PTT works as does frequency control. However, I am unable to get audio from those two applications routed back to Quisk. The radio (an OmniaSDR) goes into transmit but no RF output. Frustrating.

> On May 10, 2016, at 16:33, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
> True for the old Pi model B, Pi 2 or P3 may be OK.
> 73 ... Sid.
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>> On 09/05/16 21:07, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
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>> works great. But I've been told it is not good practice to do so;
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>>> investigating on that later today. I also need to get FLDIGI
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2244. Re: [n2adr-sdr] Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-11 01:14:35 UTC
From: Eric Thornton
Topic: 2233 Message: 2244

The free() error appears to be related to trying to free a pointer that is not in existence. That means somewhere in the code, a memory address is being used in a way it shouldn't. The question, is if it is in the sound_pulseaudio.c module or in pulse audio itself. Things were pretty stable by pulse 4.0, but there could be a misconfiguration or driver issue making it crash. If you can rebuild quisk with the following line "python setup.py build --debug" it will include debugging symbols. If I remember correctly, after a crash you can type "gdb bt" and get the info I would need to dig further.

The other thing to test, is if the crash happens with a larger playback buffer.

I know this is an inconvenience,but if you're able to do so, it could help narrow the problem down.

Eric

On Tue, May 10, 2016 at 8:14 PM, Sid Boyce g3vbv@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Hi Graeme,
> I hope to checkout TX tomorrow. The BGA616 driver failed and took out
> the tracks so I built the replacement on a small piece of PCB with wires
> soldered to components on the HiQSDR board.
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> I have had no problems on HiQSDR RX with a Pi model B (48K) then a Pi 2
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> auto-started on a 7 inch touchscreen so no startup messages.
> Hermes-Lite runs quisk at 384K on a -C2 with a 7 inch touchscreen and
> only the usual startup audio reports you also see but no failures.
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> Quisk on the -C2's configured for pulseaudio version 1:8.0-0ubuntu3 arm64.
> 73 ... Sid.
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> On 08/05/16 23:02, gvjury@... [n2adr-sdr] wrote:
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> > It is occurring using SSB and I have only used Alsa with FreeDV and
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> > I have run Quisk from a terminal and have captured the session ...
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> > Cannot connect to server socket err = No such file or directory
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> > suspended). Buffer metrics
> > pulse:alsa_input.pci-0000_00_05.0.analog-stereo: maxlength=4194304,
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> > Connected to device digital-in.monitor (3, not suspended). Buffer
> > metrics pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
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> > Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164,
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> > Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> >
> >
> > [25 instances of underrun and startup have been clipped to save
> > repetition]
> >

> >
> > Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
> > *** Error in `python': free(): invalid next size (normal):
> > 0x00007f01800419a0 ***
> > Aborted
> > gvj@gvj-Mint ~/Programs/quisk $
> >
> >
> > 73, Graeme ZL2APV
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
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> Yahoo Groups Links
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2245. Re: Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-11 02:37:39 UTC
From: gvjury@...
Topic: 2233 Message: 2245

Hi Eric,

Thank you for checking this out and it looks like you are entering needle in the haystack territory. It is no problem to set up anything you request and I hope to get you some data soon.

Just a couple of questions. Do I need to do a make after the "python setup.py build --debug" or is that it?
The second is the buffer size set in code or a configurable parameter and if in code what file?

73, Graeme

2246. Re: Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-11 05:30:03 UTC
From: gvjury@...
Topic: 2233 Message: 2246

Not sure if this is helpful but pulse did not exit cleanly when I shut down quisk ... gdb did not work for me but I have never used it before as I have been sheltered by Qt Creator environment and did not know where to go next. I really need to spend some time with Python as I have put all my eggs in the Qt basket.

```
gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Pulseaudio threaded mainloop started
Waiting for 4 streams to start
Connected to gvj-Mint
Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening Device digital-in.monitor
Opening Device alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not suspended). Buffer
metrics pulse:alsa_input.pci-0000_00_05.0.analog-stereo: maxlength=4194304, fragsize=2060
Connected to device digital-in.monitor (3, not suspended). Buffer metrics
pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not suspended). Buffer
metrics pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304, prebuf=7204,
tlength=9600 minreq=2400
Connected to device digital-out (1, not suspended). All streams started
Buffer metrics pulse:digital-out: maxlength=4194304, prebuf=92164, tlength=96000
minreq=3840
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo

[Snipped many instances]
Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Closing Pulseaudio interfaces
Waiting for 4 streams to disconnect
Assertion '!e->next' failed at pulsecore/queue.c:106, function pa_queue_pop(). Aborting.
Aborted
gvj@gvj-Mint ~/Programs/quisk $ gdb bt
GNU gdb (Ubuntu 7.7.1-0ubuntu5~14.04.2) 7.7.1
Copyright (C) 2014 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
```

```
There is NO WARRANTY, to the extent permitted by law. Type "show copying"
and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<http://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.
For help, type "help".
Type "apropos word" to search for commands related to "word"...
bt: No such file or directory.
(gdb) q
```

2247. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-11 06:04:03 UTC
From: Michael Durkin
Topic: 2226 Message: 2247

Are you sure your using the loopback for audio that wsjtx is using ?

I just got wsjtx working on a C2 ... and yep ... loopback is not being routed properly ....

Im going to try to build the latest pulse and see what happens ....

On Tue, May 10, 2016 at 5:17 PM, James Bennett w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Well, on my RPi 3 something is sure amiss. Using the ALSA loop back I have
> no problem routing digital output from Quisk 4.0.4 over to either FLDIGI or
> WSJT-X. PTT works as does frequency control. However, I am unable to get
> audio from those two applications routed back to Quisk. The radio (an
> OmniaSDR) goes into transmit but no RF output. Frustrating.
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> > On May 10, 2016, at 16:33, Sid Boyce g3vbv@... [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com> wrote:
> >
> > True for the old Pi model B, Pi 2 or P3 may be OK.
> > 73 ... Sid.
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> >> On 09/05/16 21:07, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> >> The Pi might now have enough to do it all ....
> >>
> >> Im set to 48Khz@16bit for the default pulse config .... and Quisk too
> > ....
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> >> And if you used paprefs to put the audio stream on the lan .. undo
> >> that ... you simply wont have enuff bandwidth for it all ...
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> >> Or its got to do with the new 64bit ubuntu and needs to mature some
> >> more ... not sure.
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> >> On Mon, May 9, 2016 at 12:39 PM, James Bennett w6jhb@me.com
> >> <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> >> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> >> Yep, that's what I've been trying to do, too. I set up the alsa
> >> loop so it is started at boot time, but it is still not working
> >> very well. If I simply set WSJT-X audio to use the SDR directly it
> >> works great. But I've been told it is not good practice to do so;
> >> that the audio needs to be routed through an application like

> >> Quisk. Very frustrating.
> >>
> >> Jim Bennett / W6JHB
> >> Folsom, CA
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> >> On May 9, 2016, at 12:09 PM, Michael Durkin kc7noa@...
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> >>> I set quisk digital to use snd-aloop ... problem is most times
> >>> you have to build it into the kernel
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> >>> For Rx using the monitor of quisk radio output works fine ... but
> >>> for TX is a problem without the loop ... that I've been able to
> >>> figure out by myself
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> >>> On May 9, 2016 11:02 AM, "James Bennett w6jhb@...m
> >>> <mailto:w6jhb@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
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> >>> Hi Graeme!
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> >>> I finally got some time on the Raspberry Pi and..... got
> >>> CQRlog installed and working with Quisk and my OmniaSDR rig.
> >>> Seems to work quite well,with one exception - changing mode
> >>> in Quisk does not change it in CQRlog. I probably have
> >>> something set wrong in CQRlog and will do some more
> >>> investigating on that later today. I also need to get FLDIGI
> >>> installed. And then figure out how to route the JT65 and JT9
> >>> audio tones back and forth between Quisk and WSJT-X. So much
> >>> to do, so little time.... :-
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> >>>
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> >>> On Apr 24, 2016, at 12:33 PM, Graeme Jury gvjury@...
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> >>>> Hi Jim,
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> >>>> Yes that is right. Both my logging programs can control the
> >>>> frequency in Quisk and switch bands and modes. It also works

> >>>> the other way so If I change frequency, bands or modes in
> >>>> Quisk it reflects back into my log program. My log program
> >>>> also produces voice and CW signals so I can automatically
> >>>> call CQ etc. and this will drive Quisk also. I can run
> >>>> Quisk, the log program and wsjtx all at the same time.
> >>>>
> >>>> I notice that in the recent versions of hamlib there is a
> >>>> dedicated N2ADR interface now which I have not tried but I
> >>>> expect that it may be better than using the generic network
> >>>> radio of type 2 as I presently do.
> >>>>
> >>>> If your port number 4575 clashes with other software, Quisk
> >>>> allows you to change it.
> >>>>
> >>>> If you are using Quisk to source cluster information, you
> >>>> can't use the same node for your cluster as your log does.
> >>>> Fortunately there are two nodes in ZL so I am OK here. You
> >>>> will have a ton of nodes in your area.
> >>>>
> >>>> 73, Graeme ZL2APV
> >>>>
> >>>> On 25/04/16 06:16, James Bennett w6jhb@...
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> >>>>> Thanks for the info on your settings! Just to help my
> >>>>> feeble brain get a handle on this, do you run both Quisk
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> >>>>>
> >>>>> Hello Jim,
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> >>>>> My rig settings in my log program are ...
> >>>>>
> >>>>> Host = localhost
> >>>>> Port = 4575
> >>>>> Rig model = 2 Hamlib NET rigctl
> >>>>>
> >>>>> Hope these can start you off OK.

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> >>>>>>> I don't think the Mac is where I need hamlib - I use
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> >>>>>>> there. So I guess I need to do some research and see HOW
> >>>>>>> hamlib can be used to do what I want, with Quisk.
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2248. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-11 21:27:38 UTC
From: Michael Durkin
Topic: 2226 Message: 2248

looks building pulseaudio will do me no good ... im already using V8

On Tue, May 10, 2016 at 11:04 PM, Michael Durkin <kc7noa@...> wrote:

> Are you sure your using the loopback for audio that wsjtx is using ?
>
> I just got wsjtx working on a C2 ... and yep ... loopback is not being
> routed properly ....
>
> Im going to try to build the latest pulse and see what happens ....
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2249. Re: Quisk crashes with Pulse Audio - Bug Report

Yahoo group: n2adr-sdr
Date: 2016-05-11 21:29:49 UTC
From: gvjury@...
Topic: 2233 Message: 2249

Had another crash but could not make sense of gdb so sorry but no useful info. I will have to spend some time on the documentation of gdb to find out what I am to do next after a crash so it may be a while before I can get you some info as the crashes are sporadic and can be a couple of weeks in between or sometimes every day.

```
gvj@gvj-Mint ~/Programs/quisk $ python quisk.py
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Pulseaudio threaded mainloop started
Waiting for 4 streams to start
Connected to gvj-Mint
Opening Device alsa_input.pci-0000_00_05.0.analog-stereo Opening Device digital-in.monitor
Opening Device alsa_output.pci-0000_00_05.0.analog-stereo Opening Device digital-out
Connected to device alsa_input.pci-0000_00_05.0.analog-stereo (1, not suspended). Buffer
metrics pulse:alsa_input.pci-0000_00_05.0.analog-stereo: maxlength=4194304, fragsize=2060
Connected to device digital-in.monitor (3, not suspended). Buffer metrics
pulse:digital-in.monitor: maxlength=4194304, fragsize=2060
Connected to device alsa_output.pci-0000_00_05.0.analog-stereo (0, not suspended). Buffer
metrics pulse:alsa_output.pci-0000_00_05.0.analog-stereo: maxlength=4194304, prebuf=7204,
tlength=9600 minreq=2400
Connected to device digital-out (1, not suspended). Buffer metrics pulse:digital-out:
maxlength=4194304, prebuf=92164, tlength=96000 minreq=3840
All streams started
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
Stream underrun pulse:alsa_output.pci-0000_00_05.0.analog-stereo
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Stream started pulse:alsa_output.pci-0000_00_05.0.analog-stereo
*** Error in `python': free(): invalid next size (normal): 0x00007f4b68040a40 ***
Aborted
```

73, Graeme ZL2APV

2250. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-12 00:20:45 UTC
From: Michael Durkin
Topic: 2226 Message: 2250

Try this in order ....

Update pulseaudio to v8

Rebuild quisk and install

Rebuild wsjtx and install (or not install)

Run quisk and don't set digital to (hw:X,X) but use the pulseaudio names -
not alsa's -restart quisk if needed

Run wsjtx .... check wsjtx audio settings ...

Then run pavucontrol and verify qt streams have audio on them (recording,
playback will not show until wsjtx is set to tune)

I'm working with wsjtx TX now...
On May 9, 2016 12:39 PM, "James Bennett w6jhb@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

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> Folsom, CA
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> then figure out how to route the JT65 and JT9 audio tones back and forth
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>
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2251. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 04:38:37 UTC
From: James Bennett
Topic: 2226 Message: 2251

Michael - been busy with some woodworking projects and haven't been able to devote time to this issue yet. But I do have a couple questions.

First - how can I tell what version of Pulseaudio is on my RPi 3? And how to get to v8 if I'm at a lower version - just do a sudo apt-get upgrade xxxxxx?

Second - why the need to re-build Quisk and WSJT-X? Do they not pick up the audio in and out "ports" at run time, based on profiles and settings?

You say you are working with WSJT-X TX now; you are saying that using Quisk, you are able to have WSJT-X do both transmit and receive?

Jim / W6JHB

Jim Bennett / W6JHB
Folsom, CA

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> Run wsjtx .... check wsjtx audio settings ...
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And then figure out how to route the JT65 and JT9 audio tones back and forth between Quisk
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2252. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 04:40:44 UTC
From: Michael Durkin
Topic: 2226 Message: 2252

Yes ... I have wsjtx working on Rx and TX now .... through snd-aloop
On May 12, 2016 9:38 PM, "James Bennett w6jhb@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Michael - been busy with some woodworking projects and haven't been able
> to devote time to this issue yet. But I do have a couple questions.
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> First - how can I tell what version of Pulseaudio is on my RPi 3? And how
> to get to v8 if I'm at a lower version - just do a sudo apt-get upgrade
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> Second - why the need to re-build Quisk and WSJT-X? Do they not pick up
> the audio in and out "ports" at run time, based on profiles and settings?
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> You say you are working with WSJT-X TX now; you are saying that using
> Quisk, you are able to have WSJT-X do both transmit and receive?
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> Jim Bennett / W6JHB
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> Try this in order ....
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> Rebuild wsjtx and install (or not install)
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> Run wsjtx .... check wsjtx audio settings ...
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> Then run pavucontrol and verify qt streams have audio on them (recording,
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2253. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 04:52:55 UTC
From: Michael Durkin
Topic: 2226 Message: 2253

You can get the deb or a compressed gz to build and install .... probably a ppa added to your sources too ...

If you have the "software center" installed ... just search for pulseaudio and it will have the version installed listed.
On May 12, 2016 9:38 PM, "James Bennett w6jhb@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
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>> On Apr 24, 2016, at 12:33 PM, Graeme Jury gvjury@... [n2adr-sdr] <

>> n2adr-sdr@yahoogroups.com> wrote:
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2254. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 12:56:47 UTC
From: Sid Boyce
Topic: 2226 Message: 2254

"dpkg -l pulseaudio" will display the version.

If you are running a 64-bit OS on the Pi 3 you can recompile quisk as
64-bit or you can use the one compiled for the original Pi model B or Pi
2 which is backwards compatible.

In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
quisk to be 64-bit.
root@hiqsdr64:/home/odroid/Pictures# uname -a
Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT 2016
aarch64 aarch64 aarch64 GNU/Linux
root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
_quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1 (SYSV),
dynamically linked,
BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264, not stripped
73 ... Sid.

On 13/05/16 05:38, James Bennett w6jhb@... [n2adr-sdr] wrote:
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2255. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 13:52:33 UTC
From: Michael Durkin
Topic: 2226 Message: 2255

When you build quisk .... on a 64bit platform -- do you need to tell it to build a 64bit version, or is it automatically done?
On May 13, 2016 5:56 AM, "Sid Boyce g3vbv@... [n2adr-sdr]" <n2adr-sdr@...m> wrote:

> "dpkg -l pulseaudio" will display the version.
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> Yahoo Groups Links
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2256. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 15:36:11 UTC
From: Sid Boyce
Topic: 2226 Message: 2256

```
Absolutely no difference in building it on x86, x86_64, ARM 32-bit or
ARM 64-bit.
It is just another Ubuntu box.
"make" or "python setup.py install" uses whatever gcc and python is the
default.
root@hiqsdr64:/opt/quisk-4.0.5# gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/aarch64-linux-gnu/5/lto-wrapper
Target: aarch64-linux-gnu
<STUFF DELETED>
=aarch64-linux-gnu --target=aarch64-linux-gnu
Thread model: posix
gcc version 5.3.1 20160413 (Ubuntu/Linaro 5.3.1-14ubuntu2)

This is qt5 I built locally from git using the instructions under
ghpsdr3-alex - ODROID section.
root@hiqsdr64:/opt/quisk-4.0.5# /usr/local/qt5/qtbase/bin/qmake -v
QMake version 3.0
Using Qt version 5.6.0 in /usr/local/qt5/qtbase/lib
root@hiqsdr64:/opt/quisk-4.0.5# file /usr/local/qt5/qtbase/bin/qmake
/usr/local/qt5/qtbase/bin/qmake: ELF 64-bit LSB executable, ARM aarch64,
version 1 (GNU/Linux), dynamically linked, interpreter
/lib/ld-linux-aarch64.so.1, for GNU/Linux 3.7.0,
BuildID[sha1]=2b553f359cb8c1f2a404dc051416d81298770f5b, not stripped
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> If you are running a 64-bit OS on the Pi 3 you can recompile quisk as
> 64-bit or you can use the one compiled for the original Pi model B
> or Pi
> 2 which is backwards compatible.
>
> In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
> quisk to be 64-bit.
```

> root@hiqsdr64:/home/odroid/Pictures# uname -a
> Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT 2016
> aarch64 aarch64 aarch64 GNU/Linux
> root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> _quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1
> (SYSV),
> dynamically linked,
> BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264, not stripped
> 73 ... Sid.
>
> On 13/05/16 05:38, James Bennett w6jhb@...
> <mailto:w6jhb@...> [n2adr-sdr] wrote:
> > Michael - been busy with some woodworking projects and haven't been
> > able to devote time to this issue yet. But I do have a couple
> questions.
> >
> > First - how can I tell what version of Pulseaudio is on my RPi
> 3? And
> > how to get to v8 if I'm at a lower version - just do a sudo apt-get
> > upgrade xxxxxx?
> >
> > Second - why the need to re-build Quisk and WSJT-X? Do they not pick
> > up the audio in and out "ports" at run time, based on profiles and
> > settings?
> >
> > You say you are working with WSJT-X TX now; you are saying that
> using
> > Quisk, you are able to have WSJT-X do both transmit and receive?
> >
> > Jim / W6JHB
> >
> > Jim Bennett / W6JHB
> > Folsom, CA
> >
> > On May 11, 2016, at 5:20 PM, Michael Durkin kc7noa@...
> <mailto:kc7noa@...>
> > <mailto:kc7noa@... <mailto:kc7noa@...>> [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >
> >> Try this in order ....
> >>
> >> Update pulseaudio to v8
> >>
> >> Rebuild quisk and install
> >>
> >> Rebuild wsjtx and install (or not install)
> >>
> >> Run quisk and don't set digital to (hw:X,X) but use the pulseaudio

> >> names - not alsa's -restart quisk if needed
> >>
> >> Run wsjtx .... check wsjtx audio settings ...
> >>
> >> Then run pavucontrol and verify qt streams have audio on them
> >> (recording, playback will not show until wsjtx is set to tune)
> >>
> >> I'm working with wsjtx TX now...
> >>
> >> On May 9, 2016 12:39 PM, "James Bennett w6jhb@...
> <mailto:w6jhb@...>
> >> <mailto:w6jhb@... <mailto:w6jhb@...>> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >> <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >>
> >>? ? ? Yep, that's what I've been trying to do, too. I set up
> the alsa
> >>? ? ? loop so it is started at boot time, but it is still not
> working
> >>? ? ? very well. If I simply set WSJT-X audio to use the SDR
> directly
> >>? ? ? it works great. But I've been told it is not good
> practice to do
> >>? ? ? so; that the audio needs to be routed through an
> application like
> >>? ? ? Quisk. Very frustrating.
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> fine ...
> >>>? ? ? but for TX is a problem without the loop ... that I've
> been able
> >>>? ? ? to figure out by myself
> >>>
> >>>? ? ? On May 9, 2016 11:02 AM, "James Bennett w6jhb@...

> <mailto:w6jhb@...>
> >>>? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
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> <mailto:n2adr-sdr@yahoogroups.com>
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> >>>? ? ? ? ? I finally got some time on the Raspberry Pi
> and..... got
> >>>? ? ? ? ? CQRlog installed and working with Quisk and my
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> >>>? ? ? ? ? Seems to work quite well,with one exception -
> changing mode
> >>>? ? ? ? ? in Quisk does not change it in CQRlog. I probably
> have
> >>>? ? ? ? ? something set wrong in CQRlog and will do some more
> >>>? ? ? ? ? investigating on that later today. I also need to
> get FLDIGI
> >>>? ? ? ? ? installed. And then figure out how to route the
> JT65 and JT9
> >>>? ? ? ? ? audio tones back and forth between Quisk and
> WSJT-X. So much
> >>>? ? ? ? ? to do, so little time.... :-
> >>>
> >>>
> >>>? ? ? ? ? Jim Bennett / W6JHB
> >>>? ? ? ? ? Folsom, CA
> >>>
> >>>? ? ? ? ? On Apr 24, 2016, at 12:33 PM, Graeme Jury
> gvjury@... <mailto:gvjury@...>
> >>>? ? ? ? ? <mailto:gvjury@...
> <mailto:gvjury@...>> [n2adr-sdr]
> >>>? ? ? ? ? <n2adr-sdr@yahoogroups.com
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> >>>>
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> >>>>>>? ? ? ? ? frequency in Quisk and switch bands and modes.
> It also
> >>>>>>? ? ? ? ? works the other way so If I change frequency,
> bands or
> >>>>>>? ? ? ? ? modes in Quisk it reflects back into my log
> program. My log
> >>>>>>? ? ? ? ? program also produces voice and CW signals so I can

> >>>>? ? ? ? ? automatically call CQ etc. and this will drive
> Quisk also.
> >>>>? ? ? ? ? I can run Quisk, the log program and wsjtx all
> at the same
> >>>>? ? ? ? ? time.
> >>>>
> >>>>? ? ? ? ? I notice that in the recent versions of hamlib
> there is a
> >>>>? ? ? ? ? dedicated N2ADR interface now which I have not
> tried but I
> >>>>? ? ? ? ? expect that it may be better than using the
> generic network
> >>>>? ? ? ? ? radio of type 2 as I presently do.
> >>>>
> >>>>? ? ? ? ? If your port number 4575 clashes with other
> software, Quisk
> >>>>? ? ? ? ? allows you to change it.
> >>>>
> >>>>? ? ? ? ? If you are using Quisk to source cluster
> information, you
> >>>>? ? ? ? ? can't use the same node for your cluster as your
> log does.
> >>>>? ? ? ? ? Fortunately there are two nodes in ZL so I am OK
> here. You
> >>>>? ? ? ? ? will have a ton of nodes in your area.
> >>>>
> >>>>? ? ? ? ? 73, Graeme ZL2APV
> >>>>
> >>>>? ? ? ? ? On 25/04/16 06:16, James Bennett w6jhb@...
> <mailto:w6jhb@...>
> >>>>? ? ? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> [n2adr-sdr] wrote:
> >>>>>
> >>>>>? ? ? ? ? Hi Graeme,
> >>>>>
> >>>>>
> >>>>>? ? ? ? ? Thanks for the info on your settings! Just to
> help my
> >>>>>? ? ? ? ? feeble brain get a handle on this, do you run
> both Quisk
> >>>>>? ? ? ? ? AND either one of these logging programs at the
> same time?
> >>>>>
> >>>>>? ? ? ? ? Jim / W6JHB
> >>>>>
> >>>>>
> >>>>>? ? ? ? ? On Saturday, Apr 23, 2016, at? Saturday, 1:08
> PM, Graeme
> >>>>>? ? ? ? ? Jury gvjury@...
> <mailto:gvjury@...> <mailto:gvjury@...

> <mailto:gvjury@...>>
> >>>>>>? ? ? ? ? [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >>>>>>? ? ? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >>>>>>
> >>>>>>
> >>>>>>? ? ? ? ? Hello Jim,
> >>>>>>
> >>>>>>? ? ? ? ? My rig settings in my log program are ...
> >>>>>>
> >>>>>>? ? ? ? ? Host = localhost
> >>>>>>? ? ? ? ? Port = 4575
> >>>>>>? ? ? ? ? Rig model = 2 Hamlib NET rigctl
> >>>>>>
> >>>>>>? ? ? ? ? Hope these can start you off OK.
> >>>>>>
> >>>>>>? ? ? ? ? 73, Graeme ZL2APV
> >>>>>>
> >>>>>>? ? ? ? ? On 24/04/16 03:02, James Bennettw6jhb@...
> <mailto:Bennettw6jhb@...>
> >>>>>>? ? ? ? ? <mailto:w6jhb@...
> <mailto:w6jhb@...>>[n2adr-sdr] wrote:
> >>>>>>>? ? ? ? ? I don't think the Mac is where I need hamlib
> - I use
> >>>>>>>? ? ? ? ? Quisk on a Raspberry Pi which runs Linux. And
> since I
> >>>>>>>? ? ? ? ? also have WSJTX installed on the RPi, hamlib
> is also
> >>>>>>>? ? ? ? ? there. So I guess I need to do some research
> and see HOW
> >>>>>>>? ? ? ? ? hamlib can be used to do what I want, with Quisk.
> >>>>>>>
> >>>>>>>? ? ? ? ? Jim Bennett / W6JHB
> >>>>>>>? ? ? ? ? Folsom, CA
> >>>>>>>
> >>>>>>>? ? ? ? ? On Apr 22, 2016, at 7:26 PM, Graeme
> Jurygvjury@... <mailto:Jurygvjury@...>
> >>>>>>>? ? ? ? ? <mailto:gvjury@...
> <mailto:gvjury@...>>[n2adr-sdr]
> >>>>>>>? ? ? ? ? <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >>>>>>>? ? ? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >>>>>>>
> >>>>>>>
> >>>>>>>? ? ? ? ? I interface to my log program (CQRLog and
> Xlog for
> >>>>>>>? ? ? ? ? contesting) with Hamlib. I am a Linux user
> and don't

> >>>>>>>>? ? ? ? ? know much about the mac but would be
> surprised if there
> >>>>>>>>? ? ? ? ? is not a version of Hamlib for it.
> >>>>>>>>
> >>>>>>>>? ? ? ? ? 73, Graeme ZL2APV
> >>>>>>>>
> >>>>>>>>? ? ? ? ? On 23/04/16 12:07, James Bennettw6jhb@...
> <mailto:Bennettw6jhb@...>
> >>>>>>>>? ? ? ? ? <mailto:w6jhb@...
> <mailto:w6jhb@...>>[n2adr-sdr] wrote:
> >>>>>>>>>
> >>>>>>>>>? ? ? ? ? Wondering if anyone has investigated the
> possibility
> >>>>>>>>>? ? ? ? ? of having Quisk write out an ADIF record so
> that
> >>>>>>>>>? ? ? ? ? QSOâ€™s made with it can be input to a
> logging
> >>>>>>>>>? ? ? ? ? program? Or perhaps interface with a home-grown
> >>>>>>>>>? ? ? ? ? application that does that?
> >>>>>>>>>
> >>>>>>>>>? ? ? ? ? I ask because my main logging program is
> MacLoggerDX
> >>>>>>>>>? ? ? ? ? (MLDX) that runs on my iMac. I use Quisk
> 4.0.4 on a
> >>>>>>>>>? ? ? ? ? Raspberry Pi along with an OmniaSDR rig.
> After each
> >>>>>>>>>? ? ? ? ? QSO Iâ€™ve got to do the paper and
> pencil boogie to
> >>>>>>>>>? ? ? ? ? get my QSOâ€™s logged into MLDX. Sure
> would be nice to
> >>>>>>>>>? ? ? ? ? have an ADIF created that I could haul into
> MLDX and
> >>>>>>>>>? ? ? ? ? get the job done.
> >>>>>>>>>
> >>>>>>>>>? ? ? ? ? Jim / W6JHB
> >>>>>>>>>
> >>>>>>>>
> >>>>>>
> >>>>>>
> >>>>>
> >>>>
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>

>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
> ? ? n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2257. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 15:44:24 UTC
From: Michael Durkin
Topic: 2226 Message: 2257

OK .. i thought so, but wanted to make 100% sure ....

Hows the C2 for you sid?

Is its shutdown / bootup times always the same? ... some times mine will hand on shutdown for what seems like a few extra seconds to almost 2 minuets ... makes me wonder if the SdCard is not quite right ....

On Fri, May 13, 2016 at 8:36 AM, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> Absolutely no difference in building it on x86, x86_64, ARM 32-bit or
> ARM 64-bit.
> It is just another Ubuntu box.
> "make" or "python setup.py install" uses whatever gcc and python is the
> default.
> root@hiqsdr64:/opt/quisk-4.0.5# gcc -v
> Using built-in specs.
> COLLECT_GCC=gcc
> COLLECT_LTO_WRAPPER=/usr/lib/gcc/aarch64-linux-gnu/5/lto-wrapper
> Target: aarch64-linux-gnu
> <STUFF DELETED>
> =aarch64-linux-gnu --target=aarch64-linux-gnu
> Thread model: posix
> gcc version 5.3.1 20160413 (Ubuntu/Linaro 5.3.1-14ubuntu2)
>
> This is qt5 I built locally from git using the instructions under
> ghpsdr3-alex - ODROID section.
> root@hiqsdr64:/opt/quisk-4.0.5# /usr/local/qt5/qtbase/bin/qmake -v
> QMake version 3.0
> Using Qt version 5.6.0 in /usr/local/qt5/qtbase/lib
> root@hiqsdr64:/opt/quisk-4.0.5# file /usr/local/qt5/qtbase/bin/qmake
> /usr/local/qt5/qtbase/bin/qmake: ELF 64-bit LSB executable, ARM aarch64,
> version 1 (GNU/Linux), dynamically linked, interpreter
> /lib/ld-linux-aarch64.so.1, for GNU/Linux 3.7.0,
> BuildID[sha1]=2b553f359cb8c1f2a404dc051416d81298770f5b, not stripped
> 73 ... Sid.
>
> On 13/05/16 14:52, Michael Durkin kc7noa@gmail.com [n2adr-sdr] wrote:
> >
> > When you build quisk .... on a 64bit platform -- do you need to tell
> > it to build a 64bit version, or is it automatically done?
> >
> > On May 13, 2016 5:56 AM, "Sid Boyce g3vbv@blueyonder.co.uk
> > <mailto:g3vbv@...> [n2adr-sdr]"
> > <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:

> >
> > "dpkg -l pulseaudio" will display the version.
> >
> > If you are running a 64-bit OS on the Pi 3 you can recompile quisk as
> > 64-bit or you can use the one compiled for the original Pi model B
> > or Pi
> > 2 which is backwards compatible.
> >
> > In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
> > quisk to be 64-bit.
> > root@hiqsdr64:/home/odroid/Pictures# uname -a
> > Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT 2016
> > aarch64 aarch64 aarch64 GNU/Linux
> > root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> > _quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1
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> > <mailto:w6jhb@...> [n2adr-sdr] wrote:
> > > Michael - been busy with some woodworking projects and haven't been
> > > able to devote time to this issue yet. But I do have a couple
> > questions.
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> > > First - how can I tell what version of Pulseaudio is on my RPi
> > 3? And
> > > how to get to v8 if I'm at a lower version - just do a sudo apt-get
> > > upgrade xxxxxx?
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> > > <mailto:n2adr-sdr@yahoogroups.com

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> > >>
> > >> Update pulseaudio to v8
> > >>
> > >> Rebuild quisk and install
> > >>
> > >> Rebuild wsjtx and install (or not install)
> > >>
> > >> Run quisk and don't set digital to (hw:X,X) but use the pulseaudio
> > >> names - not alsa's -restart quisk if needed
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> > >> Run wsjtx .... check wsjtx audio settings ...
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> > >>Â Â Â loop so it is started at boot time, but it is still not
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> > >>Â Â Â very well. If I simply set WSJT-X audio to use the SDR
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> > >>>Â Â Â On May 9, 2016 11:02 AM, "James Bennett w6jhb@...
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> > >>>Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...m>>
> > [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >>>Â Â Â <mailto:n2adr-sdr@yahoogroups.com
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> > >>>
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> > and..... got
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> > OmniaSDR rig.
> > >>>Â Â Â Â Â Seems to work quite well,with one exception -
> > changing mode
> > >>>Â Â Â Â Â in Quisk does not change it in CQRlog. I probably
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> > >>>
> > >>>
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> > >>>Â Â Â Â Â Folsom, CA
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> > gvjury@... <mailto:gvjury@...>
> > >>>Â Â Â Â Â <mailto:gvjury@...
> > <mailto:gvjury@gmail.com>> [n2adr-sdr]
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> > >>>>
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> > It also
> > >>>>Â Â Â Â Â works the other way so If I change frequency,
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> > >>>>Â Â Â Â Â modes in Quisk it reflects back into my log
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> > >>>>Â Â Â Â Â can't use the same node for your cluster as your
> > log does.
> > >>>>Â Â Â Â Â Fortunately there are two nodes in ZL so I am OK
> > here. You
> > >>>>Â Â Â Â Â will have a ton of nodes in your area.
> > >>>>
> > >>>>Â Â Â Â Â 73, Graeme ZL2APV
> > >>>>
> > >>>>Â Â Â Â Â On 25/04/16 06:16, James Bennett w6jhb@...
> > <mailto:w6jhb@...>
> > >>>>Â Â Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>>
> > [n2adr-sdr] wrote:
> > >>>>>
> > >>>>>Â Â Â Â Â Hi Graeme,
> > >>>>>
> > >>>>>
> > >>>>>Â Â Â Â Â Thanks for the info on your settings! Just to
> > help my
> > >>>>>Â Â Â Â Â feeble brain get a handle on this, do you run

> > both Quisk
> > >>>>>Â Â Â Â Â AND either one of these logging programs at the
> > same time?
> > >>>>>
> > >>>>>Â Â Â Â Â Jim / W6JHB
> > >>>>>
> > >>>>>
> > >>>>>Â Â Â Â Â On Saturday, Apr 23, 2016, atÂ Saturday, 1:08
> > PM, Graeme
> > >>>>>>Â Â Â Â Â Jury gvjury@gmail.com
> > <mailto:gvjury@...> <mailto:gvjury@...
> > <mailto:gvjury@...>>
> > >>>>>>Â Â Â Â Â [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >>>>>>Â Â Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> > >>>>>>
> > >>>>>>
> > >>>>>>Â Â Â Â Â Hello Jim,
> > >>>>>>
> > >>>>>>Â Â Â Â Â My rig settings in my log program are ...
> > >>>>>>
> > >>>>>>Â Â Â Â Â Host = localhost
> > >>>>>>Â Â Â Â Â Port = 4575
> > >>>>>>Â Â Â Â Â Rig model = 2 Hamlib NET rigctl
> > >>>>>>
> > >>>>>>Â Â Â Â Â Hope these can start you off OK.
> > >>>>>>
> > >>>>>>Â Â Â Â Â 73, Graeme ZL2APV
> > >>>>>>
> > >>>>>>Â Â Â Â Â On 24/04/16 03:02, James Bennettw6jhb@...
> > <mailto:Bennettw6jhb@...>
> > >>>>>>Â Â Â Â Â <mailto:w6jhb@...
> > <mailto:w6jhb@...>>[n2adr-sdr] wrote:
> > >>>>>>>Â Â Â Â Â I don't think the Mac is where I need hamlib
> > - I use
> > >>>>>>>Â Â Â Â Â Quisk on a Raspberry Pi which runs Linux. And
> > since I
> > >>>>>>>Â Â Â Â Â also have WSJTX installed on the RPi, hamlib
> > is also
> > >>>>>>>Â Â Â Â Â there. So I guess I need to do some research
> > and see HOW
> > >>>>>>>Â Â Â Â Â hamlib can be used to do what I want, with
> Quisk.
> > >>>>>>>
> > >>>>>>>Â Â Â Â Â Jim Bennett / W6JHB
> > >>>>>>>Â Â Â Â Â Folsom, CA
> > >>>>>>>
> > >>>>>>>Â Â Â Â Â On Apr 22, 2016, at 7:26 PM, Graeme
> > Jurygvjury@... <mailto:Jurygvjury@gmail.com>

> > >>>>>>>Â Â Â Â Â <mailto:gvjury@gmail.com
> > <mailto:gvjury@...>>[n2adr-sdr]
> > >>>>>>>Â Â Â Â Â <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >>>>>>>Â Â Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> > >>>>>>>
> > >>>>>>>>
> > >>>>>>>>>Â Â Â Â Â I interface to my log program (CQRLog and
> > Xlog for
> > >>>>>>>>>Â Â Â Â Â contesting) with Hamlib. I am a Linux user
> > and don't
> > >>>>>>>>>Â Â Â Â Â know much about the mac but would be
> > surprised if there
> > >>>>>>>>>Â Â Â Â Â is not a version of Hamlib for it.
> > >>>>>>>>>
> > >>>>>>>>>Â Â Â Â Â 73, Graeme ZL2APV
> > >>>>>>>>>
> > >>>>>>>>>Â Â Â Â Â On 23/04/16 12:07, James Bennettw6jhb@...
> > <mailto:Bennettw6jhb@...>
> > >>>>>>>>>Â Â Â Â Â <mailto:w6jhb@...
> > <mailto:w6jhb@...>>[n2adr-sdr] wrote:
> > >>>>>>>>>>
> > >>>>>>>>>>Â Â Â Â Â Wondering if anyone has investigated the
> > possibility
> > >>>>>>>>>>Â Â Â Â Â of having Quisk write out an ADIF record so
> > that
> > >>>>>>>>>>Â Â Â Â Â QSOÃ¢â‚¬â„¢s made with it can be input to a
> > logging
> > >>>>>>>>>>Â Â Â Â Â program? Or perhaps interface with a home-grown
> > >>>>>>>>>>Â Â Â Â Â application that does that?
> > >>>>>>>>>>
> > >>>>>>>>>>Â Â Â Â Â I ask because my main logging program is
> > MacLoggerDX
> > >>>>>>>>>>Â Â Â Â Â (MLDX) that runs on my iMac. I use Quisk
> > 4.0.4 on a
> > >>>>>>>>>>Â Â Â Â Â Raspberry Pi along with an OmniaSDR rig.
> > After each
> > >>>>>>>>>>Â Â Â Â Â QSO IÃ¢â‚¬â„¢ve got to do the paper and
> > pencil boogie to
> > >>>>>>>>>>Â Â Â Â Â get my QSOÃ¢â‚¬â„¢s logged into MLDX. Sure
> > would be nice to
> > >>>>>>>>>>Â Â Â Â Â have an ADIF created that I could haul into
> > MLDX and
> > >>>>>>>>>>Â Â Â Â Â get the job done.
> > >>>>>>>>>>
> > >>>>>>>>>>Â Â Â Â Â Jim / W6JHB
> > >>>>>>>>>>
> > >>>>>>>>>
> > >>>>>>>>
> > >>>>>>

> > >>>>>>
> > >>>>>
> > >>>>
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
> >
> >
> > ------------------------------------
> >
> > ------------------------------------
> >
> >
> > ------------------------------------
> >
> > Yahoo Groups Links
> >
> >
> > Â Â n2adr-sdr-fullfeatured@yahoogroups.com
> > <mailto:n2adr-sdr-fullfeatured@...m>
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

>

2258. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 16:49:03 UTC
From: Sid Boyce
Topic: 2226 Message: 2258

The -C2 is just great.

ODROID-C2 (2GHz, 2GB RAM, Gigabit Ethernet) vs. Pi 3 (1.2GHz, 1GB RAM, 100MBps Ethernet, Wifi) - no contest.
I could add a USB Wifi to the -C2 and get same or better performance.

Booting up is amazingly swift using the eMMC. On the second one I am using a Sandisk Extreme microSD card and that is not a great deal slower than the eMMC to the eye.
From clicking reboot ~20 seconds to full desktop with quisk automatically started using the microSD card.

The Sandisk Ultra suffered corruptions easily. When it was running it didn't seem to take much to upset it - do an update and it would refuse to reboot - so either an eMMC or a microSD such as the Sandisk Extreme ensures it's stable.

Ken (N9VV) is using his as a normal desktop, thunderbird email works but there is a problem with browsers. The forum suggests using firefox:armhf rather than firefox:aarch64 but I don't bother with browsers.

Everything else seems OK and fast.

I am still looking to hear good FreeDV. SNR RX levels are not good enough to copy a QSO.
I caught a couple of syllables rather than words on 14.236 yesterday.
73 ... Sid.

On 13/05/16 16:44, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> OK .. i thought so, but wanted to make 100% sure ....
>
> Hows the C2 for you sid?
>
> Is its shutdown / bootup times always the same? ... some times mine
> will hand on shutdown for what seems like a few extra seconds to
> almost 2 minuets ... makes me wonder if the SdCard is not quite right
> ....
>
> On Fri, May 13, 2016 at 8:36 AM, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Absolutely no difference in building it on x86, x86_64, ARM 32-bit or
> ARM 64-bit.
> It is just another Ubuntu box.
> "make" or "python setup.py install" uses whatever gcc and python
> is the

> default.
> root@hiqsdr64:/opt/quisk-4.0.5# gcc -v
> Using built-in specs.
> COLLECT_GCC=gcc
> COLLECT_LTO_WRAPPER=/usr/lib/gcc/aarch64-linux-gnu/5/lto-wrapper
> Target: aarch64-linux-gnu
> <STUFF DELETED>
> =aarch64-linux-gnu --target=aarch64-linux-gnu
> Thread model: posix
> gcc version 5.3.1 20160413 (Ubuntu/Linaro 5.3.1-14ubuntu2)
>
> This is qt5 I built locally from git using the instructions under
> ghpsdr3-alex - ODROID section.
> root@hiqsdr64:/opt/quisk-4.0.5# /usr/local/qt5/qtbase/bin/qmake -v
> QMake version 3.0
> Using Qt version 5.6.0 in /usr/local/qt5/qtbase/lib
> root@hiqsdr64:/opt/quisk-4.0.5# file /usr/local/qt5/qtbase/bin/qmake
> /usr/local/qt5/qtbase/bin/qmake: ELF 64-bit LSB executable, ARM
> aarch64,
> version 1 (GNU/Linux), dynamically linked, interpreter
> /lib/ld-linux-aarch64.so.1, for GNU/Linux 3.7.0,
> BuildID[sha1]=2b553f359cb8c1f2a404dc051416d81298770f5b, not stripped
> 73 ... Sid.
>
> On 13/05/16 14:52, Michael Durkin kc7noa@...
> <mailto:kc7noa@...> [n2adr-sdr] wrote:
> >
> > When you build quisk .... on a 64bit platform -- do you need to tell
> > it to build a 64bit version, or is it automatically done?
> >
> > On May 13, 2016 5:56 AM, "Sid Boyce g3vbv@...
> <mailto:g3vbv@...>
> > <mailto:g3vbv@... <mailto:g3vbv@...>>
> [n2adr-sdr]"
> > <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >
> >? ? ? "dpkg -l pulseaudio" will display the version.
> >
> >? ? ? If you are running a 64-bit OS on the Pi 3 you can
> recompile quisk as
> >? ? ? 64-bit or you can use the one compiled for the original
> Pi model B
> >? ? ? or Pi
> >? ? ? 2 which is backwards compatible.
> >
> >? ? ? In my case, the ODROID-C2 is running Ubuntu 64-bit so I
> have rebuilt
> >? ? ? quisk to be 64-bit.

> >? ? ? root@hiqsdr64:/home/odroid/Pictures# uname -a
> >? ? ? Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15
> 23:57:29 BRT 2016
> >? ? ? aarch64 aarch64 aarch64 GNU/Linux
> >? ? ? root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> >? ? ? _quisk.so: ELF 64-bit LSB shared object, ARM aarch64,
> version 1
> >? ? ? (SYSV),
> >? ? ? dynamically linked,
> >? ? ? BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264,
> not stripped
> >? ? ? 73 ... Sid.
> >
> >? ? ? On 13/05/16 05:38, James Bennett w6jhb@...
> <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>> [n2adr-sdr] wrote:
> >? ? ? > Michael - been busy with some woodworking projects and
> haven't been
> >? ? ? > able to devote time to this issue yet. But I do have a
> couple
> >? ? ? questions.
> >? ? ? >
> >? ? ? > First - how can I tell what version of Pulseaudio is on
> my RPi
> >? ? ? 3? And
> >? ? ? > how to get to v8 if I'm at a lower version - just do a
> sudo apt-get
> >? ? ? > upgrade xxxxxx?
> >? ? ? >
> >? ? ? > Second - why the need to re-build Quisk and WSJT-X? Do
> they not pick
> >? ? ? > up the audio in and out "ports" at run time, based on
> profiles and
> >? ? ? > settings?
> >? ? ? >
> >? ? ? > You say you are working with WSJT-X TX now; you are
> saying that
> >? ? ? using
> >? ? ? > Quisk, you are able to have WSJT-X do both transmit and
> receive?
> >? ? ? >
> >? ? ? > Jim / W6JHB
> >? ? ? >
> >? ? ? > Jim Bennett / W6JHB
> >? ? ? > Folsom, CA
> >? ? ? >
> >? ? ? > On May 11, 2016, at 5:20 PM, Michael Durkin
> kc7noa@... <mailto:kc7noa@...>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>>
> >? ? ? > <mailto:kc7noa@... <mailto:kc7noa@...>

> <mailto:kc7noa@... <mailto:kc7noa@...>>> [n2adr-sdr]
> >? ? ? <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >
> >? ? ? >> Try this in order ....
> >? ? ? >>
> >? ? ? >> Update pulseaudio to v8
> >? ? ? >>
> >? ? ? >> Rebuild quisk and install
> >? ? ? >>
> >? ? ? >> Rebuild wsjtx and install (or not install)
> >? ? ? >>
> >? ? ? >> Run quisk and don't set digital to (hw:X,X) but use
> the pulseaudio
> >? ? ? >> names - not alsa's -restart quisk if needed
> >? ? ? >>
> >? ? ? >> Run wsjtx .... check wsjtx audio settings ...
> >? ? ? >>
> >? ? ? >> Then run pavucontrol and verify qt streams have audio
> on them
> >? ? ? >> (recording, playback will not show until wsjtx is set
> to tune)
> >? ? ? >>
> >? ? ? >> I'm working with wsjtx TX now...
> >? ? ? >>
> >? ? ? >> On May 9, 2016 12:39 PM, "James Bennett w6jhb@...
> <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >> <mailto:w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>> [n2adr-sdr]"
> >? ? ? <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >> <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>
> >? ? ? >>Â? Â? Â Yep, that's what I've been trying to do,
> too. I set up
> >? ? ? the alsa
> >? ? ? >>Â? Â? Â loop so it is started at boot time, but it
> is still not
> >? ? ? working
> >? ? ? >>Â? Â? Â very well. If I simply set WSJT-X audio to
> use the SDR

> >? ? ? directly
> >? ? ? >>Â? Â? Â it works great. But I've been told it is
> not good
> >? ? ? practice to do
> >? ? ? >>Â? Â? Â so; that the audio needs to be routed
> through an
> >? ? ? application like
> >? ? ? >>Â? Â? Â Quisk. Very frustrating.
> >? ? ? >>
> >? ? ? >>Â? Â? Â Jim Bennett / W6JHB
> >? ? ? >>Â? Â? Â Folsom, CA
> >? ? ? >>
> >? ? ? >>Â? Â? Â On May 9, 2016, at 12:09 PM, Michael Durkin
> >? ? ? kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>
> >? ? ? >>Â? Â? Â <mailto:kc7noa@...
> <mailto:kc7noa@...> <mailto:kc7noa@...
> <mailto:kc7noa@...>>>
> >? ? ? [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >>Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>
> >? ? ? >>>Â? Â? Â I set quisk digital to use snd-aloop ...
> problem is
> >? ? ? most times
> >? ? ? >>>Â? Â? Â you have to build it into the kernel
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â For Rx using the monitor of quisk radio
> output works
> >? ? ? fine ...
> >? ? ? >>>Â? Â? Â but for TX is a problem without the loop
> ... that I've
> >? ? ? been able
> >? ? ? >>>Â? Â? Â to figure out by myself
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â On May 9, 2016 11:02 AM, "James Bennett
> w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >>>Â? Â? Â <mailto:w6jhb@...
> <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> >? ? ? [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >>>Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com

> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â? Â? Â Hi Graeme!
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â? Â? Â I finally got some time on the
> Raspberry Pi
> >? ? ? and..... got
> >? ? ? >>>Â? Â? Â? Â? Â CQRlog installed and working
> with Quisk and my
> >? ? ? OmniaSDR rig.
> >? ? ? >>>Â? Â? Â? Â? Â Seems to work quite well,with
> one exception -
> >? ? ? changing mode
> >? ? ? >>>Â? Â? Â? Â? Â in Quisk does not change it in
> CQRlog. I probably
> >? ? ? have
> >? ? ? >>>Â? Â? Â? Â? Â something set wrong in CQRlog
> and will do some more
> >? ? ? >>>Â? Â? Â? Â? Â investigating on that later
> today. I also need to
> >? ? ? get FLDIGI
> >? ? ? >>>Â? Â? Â? Â? Â installed. And then figure out
> how to route the
> >? ? ? JT65 and JT9
> >? ? ? >>>Â? Â? Â? Â? Â audio tones back and forth
> between Quisk and
> >? ? ? WSJT-X. So much
> >? ? ? >>>Â? Â? Â? Â? Â to do, so little time.... :-
> >? ? ? >>>
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â? Â? Â Jim Bennett / W6JHB
> >? ? ? >>>Â? Â? Â? Â? Â Folsom, CA
> >? ? ? >>>
> >? ? ? >>>Â? Â? Â? Â? Â On Apr 24, 2016, at 12:33 PM,
> Graeme Jury
> >? ? ? gvjury@... <mailto:gvjury@...>
> <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? >>>Â? Â? Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>>
> [n2adr-sdr]
> >? ? ? >>>Â? Â? Â? Â? Â <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >>>Â? Â? Â? Â? Â
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com

> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>>
> >? ? ? >>>>Â? Â? Â? Â? Â Hi Jim,
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â Yes that is right. Both my
> logging programs can
> >? ? ? control the
> >? ? ? >>>>Â? Â? Â? Â? Â frequency in Quisk and switch
> bands and modes.
> >? ? ? It also
> >? ? ? >>>>Â? Â? Â? Â? Â works the other way so If I
> change frequency,
> >? ? ? bands or
> >? ? ? >>>>Â? Â? Â? Â? Â modes in Quisk it reflects
> back into my log
> >? ? ? program. My log
> >? ? ? >>>>Â? Â? Â? Â? Â program also produces voice
> and CW signals so I can
> >? ? ? >>>>Â? Â? Â? Â? Â automatically call CQ etc. and
> this will drive
> >? ? ? Quisk also.
> >? ? ? >>>>Â? Â? Â? Â? Â I can run Quisk, the log
> program and wsjtx all
> >? ? ? at the same
> >? ? ? >>>>Â? Â? Â? Â? Â time.
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â I notice that in the recent
> versions of hamlib
> >? ? ? there is a
> >? ? ? >>>>Â? Â? Â? Â? Â dedicated N2ADR interface now
> which I have not
> >? ? ? tried but I
> >? ? ? >>>>Â? Â? Â? Â? Â expect that it may be better
> than using the
> >? ? ? generic network
> >? ? ? >>>>Â? Â? Â? Â? Â radio of type 2 as I presently do.
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â If your port number 4575
> clashes with other
> >? ? ? software, Quisk
> >? ? ? >>>>Â? Â? Â? Â? Â allows you to change it.
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â If you are using Quisk to
> source cluster
> >? ? ? information, you
> >? ? ? >>>>Â? Â? Â? Â? Â can't use the same node for
> your cluster as your
> >? ? ? log does.
> >? ? ? >>>>Â? Â? Â? Â? Â Fortunately there are two
> nodes in ZL so I am OK

> >? ? ? here. You
> >? ? ? >>>>Â? Â? Â? Â? Â will have a ton of nodes in
> your area.
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â 73, Graeme ZL2APV
> >? ? ? >>>>
> >? ? ? >>>>Â? Â? Â? Â? Â On 25/04/16 06:16, James
> Bennett w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >>>>Â? Â? Â? Â? Â <mailto:w6jhb@...
> <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> >? ? ? [n2adr-sdr] wrote:
> >? ? ? >>>>>
> >? ? ? >>>>>Â? Â? Â? Â? Â Hi Graeme,
> >? ? ? >>>>>
> >? ? ? >>>>>
> >? ? ? >>>>>Â? Â? Â? Â? Â Thanks for the info on your
> settings! Just to
> >? ? ? help my
> >? ? ? >>>>>Â? Â? Â? Â? Â feeble brain get a handle on
> this, do you run
> >? ? ? both Quisk
> >? ? ? >>>>>Â? Â? Â? Â? Â AND either one of these
> logging programs at the
> >? ? ? same time?
> >? ? ? >>>>>
> >? ? ? >>>>>Â? Â? Â? Â? Â Jim / W6JHB
> >? ? ? >>>>>
> >? ? ? >>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â On Saturday, Apr 23, 2016,
> atÂ? Saturday, 1:08
> >? ? ? PM, Graeme
> >? ? ? >>>>>>Â? Â? Â? Â? Â Jury gvjury@...
> <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>
> <mailto:gvjury@... <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>>>>>
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â Hello Jim,
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â My rig settings in my log

> program are ...
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â Host = localhost
> >? ? ? >>>>>>Â? Â? Â? Â? Â Port = 4575
> >? ? ? >>>>>>Â? Â? Â? Â? Â Rig model = 2 Hamlib NET rigctl
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â Hope these can start you off OK.
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â 73, Graeme ZL2APV
> >? ? ? >>>>>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â On 24/04/16 03:02, James
> Bennettw6jhb@... <mailto:Bennettw6jhb@...>
> >? ? ? <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> >? ? ? >>>>>>Â? Â? Â? Â? Â <mailto:w6jhb@...
> <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>>[n2adr-sdr]
> wrote:
> >? ? ? >>>>>>>Â? Â? Â? Â? Â I don't think the Mac is
> where I need hamlib
> >? ? ? - I use
> >? ? ? >>>>>>>Â? Â? Â? Â? Â Quisk on a Raspberry Pi
> which runs Linux. And
> >? ? ? since I
> >? ? ? >>>>>>>Â? Â? Â? Â? Â also have WSJTX installed on
> the RPi, hamlib
> >? ? ? is also
> >? ? ? >>>>>>>Â? Â? Â? Â? Â there. So I guess I need to
> do some research
> >? ? ? and see HOW
> >? ? ? >>>>>>>Â? Â? Â? Â? Â hamlib can be used to do
> what I want, with Quisk.
> >? ? ? >>>>>>>
> >? ? ? >>>>>>>Â? Â? Â? Â? Â Jim Bennett / W6JHB
> >? ? ? >>>>>>>Â? Â? Â? Â? Â Folsom, CA
> >? ? ? >>>>>>>
> >? ? ? >>>>>>>Â? Â? Â? Â? Â On Apr 22, 2016, at 7:26 PM,
> Graeme
> >? ? ? Jurygvjury@... <mailto:Jurygvjury@...>
> <mailto:Jurygvjury@... <mailto:Jurygvjury@...>>
> >? ? ? >>>>>>>Â? Â? Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@...
> <mailto:gvjury@...>>>[n2adr-sdr]
> >? ? ? >>>>>>>Â? Â? Â? Â? Â <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >>>>>>>Â? Â? Â? Â? Â
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com

> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >>>>>>>
> >? ? ? >>>>>>>>
> >? ? ? >>>>>>>>Â? Â? Â? Â? Â I interface to my log
> program (CQRLog and
> >? ? ? Xlog for
> >? ? ? >>>>>>>>Â? Â? Â? Â Â contesting) with Hamlib. I am
> a Linux user
> >? ? ? and don't
> >? ? ? >>>>>>>>Â? Â? Â? Â? Â know much about the mac but
> would be
> >? ? ? surprised if there
> >? ? ? >>>>>>>>Â? Â? Â? Â? Â is not a version of Hamlib
> for it.
> >? ? ? >>>>>>>>
> >? ? ? >>>>>>>>Â? Â? Â? Â? Â 73, Graeme ZL2APV
> >? ? ? >>>>>>>>
> >? ? ? >>>>>>>>Â? Â? Â? Â? Â On 23/04/16 12:07, James
> Bennettw6jhb@... <mailto:Bennettw6jhb@...>
> >? ? ? <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> >? ? ? >>>>>>>>Â? Â? Â? Â Â <mailto:w6jhb@...
> <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>>[n2adr-sdr]
> wrote:
> >? ? ? >>>>>>>>>
> >? ? ? >>>>>>>>>Â? Â? Â? Â Â Wondering if anyone has
> investigated the
> >? ? ? possibility
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â of having Quisk write out
> an ADIF record so
> >? ? ? that
> >? ? ? >>>>>>>>>Â? Â? Â? Â Â QSOÃ¢â‚¬â„¢s made
> with it can be input to a
> >? ? ? logging
> >? ? ? >>>>>>>>>Â? Â? Â? Â Â program? Or perhaps
> interface with a home-grown
> >? ? ? >>>>>>>>>Â? Â? Â? Â Â application that does that?
> >? ? ? >>>>>>>>>
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â I ask because my main
> logging program is
> >? ? ? MacLoggerDX
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â (MLDX) that runs on my
> iMac. I use Quisk
> >? ? ? 4.0.4 on a
> >? ? ? >>>>>>>>>Â? Â? Â? Â Â Raspberry Pi along with an
> OmniaSDR rig.
> >? ? ? After each
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â QSO IÃ¢â‚¬â„¢ve
> got to do the paper and
> >? ? ? pencil boogie to

> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â get my
> QSOÃ¢â‚¬â„¢s logged into MLDX. Sure
> >? ? ? would be nice to
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â have an ADIF created that
> I could haul into
> >? ? ? MLDX and
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â get the job done.
> >? ? ? >>>>>>>>>
> >? ? ? >>>>>>>>>Â? Â? Â? Â? Â Jim / W6JHB
> >? ?? >>>>>>>>>
> >? ? ? >>>>>>>>
> >? ? ? >>>>>>
> >? ? ? >>>>>>
> >? ? ? >>>>>
> >? ? ? >>>>
> >? ? ? >
> >
> >
> >? ? ? --
> >? ? ? Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >? ? ? Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers
> Tech Support
> >? ? ? Senior Staff Specialist, Cricket Coach
> >? ? ? Microsoft Windows Free Zone - Linux used for all
> Computing Tasks
> >
> >
> >
> >? ? ? ------------------------------------
> >
> >? ? ? ------------------------------------
> >
> >
> >? ? ? ------------------------------------
> >
> >? ? ? Yahoo Groups Links
> >
> >
> >? ? ? Â? Â n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
> ? ? n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2259. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 17:36:30 UTC
From: Michael Durkin
Topic: 2226 Message: 2259

Iv only done in state qso with freeDv ... nothing long distance ...
500Miles max (what ever Seattle to Spokane is in distance) and only one day
before i gave it up ....

Is there a way to change quisk frequency remotely ?

Using paprefs to stream the soundcards was too much of a load ... with 2
cards on my odroid-X2 and 3 on the odroid-C2 made for a mess with snd-aloop
on both too ....

Or only have accessible cretin devices ... Id like to either run remote
desktop or have Quisk on the Odroid-C2 control Quisk on the Odroid-X2 ...

On Fri, May 13, 2016 at 9:49 AM, Sid Boyce g3vbv@....uk
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

> The -C2 is just great.
>
> ODROID-C2 (2GHz, 2GB RAM, Gigabit Ethernet) vs. Pi 3 (1.2GHz, 1GB RAM,
> 100MBps Ethernet, Wifi) - no contest.
> I could add a USB Wifi to the -C2 and get same or better performance.
>
> Booting up is amazingly swift using the eMMC. On the second one I am
> using a Sandisk Extreme microSD card and that is not a great deal slower
> than the eMMC to the eye.
> From clicking reboot ~20 seconds to full desktop with quisk
> automatically started using the microSD card.
>
> The Sandisk Ultra suffered corruptions easily. When it was running it
> didn't seem to take much to upset it - do an update and it would refuse
> to reboot - so either an eMMC or a microSD such as the Sandisk Extreme
> ensures it's stable.
>
> Ken (N9VV) is using his as a normal desktop, thunderbird email works but
> there is a problem with browsers. The forum suggests using firefox:armhf
> rather than firefox:aarch64 but I don't bother with browsers.
>
> Everything else seems OK and fast.
>
> I am still looking to hear good FreeDV. SNR RX levels are not good
> enough to copy a QSO.
> I caught a couple of syllables rather than words on 14.236 yesterday.
> 73 ... Sid.
>
> On 13/05/16 16:44, Michael Durkin kc7noa@gmail.com [n2adr-sdr] wrote:
> > OK .. i thought so, but wanted to make 100% sure ....

> >
> > Hows the C2 for you sid?
> >
> > Is its shutdown / bootup times always the same? ... some times mine
> > will hand on shutdown for what seems like a few extra seconds to
> > almost 2 minuets ... makes me wonder if the SdCard is not quite right
> > ....
> >
> > On Fri, May 13, 2016 at 8:36 AM, Sid Boyce g3vbv@...
> > <mailto:g3vbv@blueyonder.co.uk> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >
> > Absolutely no difference in building it on x86, x86_64, ARM 32-bit or
> > ARM 64-bit.
> > It is just another Ubuntu box.
> > "make" or "python setup.py install" uses whatever gcc and python
> > is the
> > default.
> > root@hiqsdr64:/opt/quisk-4.0.5# gcc -v
> > Using built-in specs.
> > COLLECT_GCC=gcc
> > COLLECT_LTO_WRAPPER=/usr/lib/gcc/aarch64-linux-gnu/5/lto-wrapper
> > Target: aarch64-linux-gnu
> > <STUFF DELETED>
> > =aarch64-linux-gnu --target=aarch64-linux-gnu
> > Thread model: posix
> > gcc version 5.3.1 20160413 (Ubuntu/Linaro 5.3.1-14ubuntu2)
> >
> > This is qt5 I built locally from git using the instructions under
> > ghpsdr3-alex - ODROID section.
> > root@hiqsdr64:/opt/quisk-4.0.5# /usr/local/qt5/qtbase/bin/qmake -v
> > QMake version 3.0
> > Using Qt version 5.6.0 in /usr/local/qt5/qtbase/lib
> > root@hiqsdr64:/opt/quisk-4.0.5# file /usr/local/qt5/qtbase/bin/qmake
> > /usr/local/qt5/qtbase/bin/qmake: ELF 64-bit LSB executable, ARM
> > aarch64,
> > version 1 (GNU/Linux), dynamically linked, interpreter
> > /lib/ld-linux-aarch64.so.1, for GNU/Linux 3.7.0,
> > BuildID[sha1]=2b553f359cb8c1f2a404dc051416d81298770f5b, not stripped
> > 73 ... Sid.
> >
> > On 13/05/16 14:52, Michael Durkin kc7noa@...
> > <mailto:kc7noa@...> [n2adr-sdr] wrote:
> > >
> > > When you build quisk .... on a 64bit platform -- do you need to
> > tell
> > > > it to build a 64bit version, or is it automatically done?
> > > >
> > > > On May 13, 2016 5:56 AM, "Sid Boyce g3vbv@...
> > > <mailto:g3vbv@...>

> > > <mailto:g3vbv@... <mailto:g3vbv@...>>
> > [n2adr-sdr]"
> > > <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@...m>
> > <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> > >
> > >Â Â Â "dpkg -l pulseaudio" will display the version.
> > >
> > >Â Â Â If you are running a 64-bit OS on the Pi 3 you can
> > recompile quisk as
> > >Â Â Â 64-bit or you can use the one compiled for the original
> > Pi model B
> > >Â Â Â or Pi
> > >Â Â Â 2 which is backwards compatible.
> > >
> > >Â Â Â In my case, the ODROID-C2 is running Ubuntu 64-bit so I
> > have rebuilt
> > >Â Â Â quisk to be 64-bit.
> > >Â Â Â root@hiqsdr64:/home/odroid/Pictures# uname -a
> > >Â Â Â Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15
> > 23:57:29 BRT 2016
> > >Â Â Â aarch64 aarch64 aarch64 GNU/Linux
> > >Â Â Â root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> > >Â Â Â _quisk.so: ELF 64-bit LSB shared object, ARM aarch64,
> > version 1
> > >Â Â Â (SYSV),
> > >Â Â Â dynamically linked,
> > >Â Â Â BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264,
> > not stripped
> > >Â Â Â 73 ... Sid.
> > >
> > >Â Â Â On 13/05/16 05:38, James Bennett w6jhb@...
> > <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>> [n2adr-sdr]
> wrote:
> > >Â Â Â > Michael - been busy with some woodworking projects and
> > haven't been
> > >Â Â Â > able to devote time to this issue yet. But I do have a
> > couple
> > >Â Â Â questions.
> > >Â Â Â >
> > >Â Â Â > First - how can I tell what version of Pulseaudio is on
> > my RPi
> > >Â Â Â 3? And
> > >Â Â Â > how to get to v8 if I'm at a lower version - just do a
> > sudo apt-get
> > >Â Â Â > upgrade xxxxxx?
> > >Â Â Â >
> > >Â Â Â > Second - why the need to re-build Quisk and WSJT-X? Do
> > they not pick

> > >Â Â Â > up the audio in and out "ports" at run time, based on
> > profiles and
> > >Â Â Â > settings?
> > >Â Â Â >
> > >Â Â Â > You say you are working with WSJT-X TX now; you are
> > saying that
> > >Â Â Â using
> > >Â Â Â > Quisk, you are able to have WSJT-X do both transmit and
> > receive?
> > >Â Â Â >
> > >Â Â Â > Jim / W6JHB
> > >Â Â Â >
> > >Â Â Â > Jim Bennett / W6JHB
> > >Â Â Â > Folsom, CA
> > >Â Â Â >
> > >Â Â Â > On May 11, 2016, at 5:20 PM, Michael Durkin
> > kc7noa@... <mailto:kc7noa@...>
> > >Â Â Â <mailto:kc7noa@... <mailto:kc7noa@gmail.com>>
> > >Â Â Â > <mailto:kc7noa@... <mailto:kc7noa@...>
> > <mailto:kc7noa@... <mailto:kc7noa@...>>> [n2adr-sdr]
> > >Â Â Â <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> >>
> > >Â Â Â > <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com <mailto:
> n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >
> > >Â Â Â >> Try this in order ....
> > >Â Â Â >>
> > >Â Â Â >> Update pulseaudio to v8
> > >Â Â Â >>
> > >Â Â Â >> Rebuild quisk and install
> > >Â Â Â >>
> > >Â Â Â >> Rebuild wsjtx and install (or not install)
> > >Â Â Â >>
> > >Â Â Â >> Run quisk and don't set digital to (hw:X,X) but use
> > the pulseaudio
> > >Â Â Â >> names - not alsa's -restart quisk if needed
> > >Â Â Â >>
> > >Â Â Â >> Run wsjtx .... check wsjtx audio settings ...
> > >Â Â Â >>
> > >Â Â Â >> Then run pavucontrol and verify qt streams have audio
> > on them
> > >Â Â Â >> (recording, playback will not show until wsjtx is set
> > to tune)
> > >Â Â Â >>
> > >Â Â Â >> I'm working with wsjtx TX now...
> > >Â Â Â >>

> > >Â Â Â >> On May 9, 2016 12:39 PM, "James Bennett w6jhb@...
> > <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>>
> > >Â Â Â >> <mailto:w6jhb@... <mailto:w6jhb@...>
> > <mailto:w6jhb@... <mailto:w6jhb@...>>> [n2adr-sdr]"
> > >Â Â Â <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com
> >>
> > >Â Â Â >> <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, Yep, that's what I've been trying to do,
> > too. I set up
> > >Â Â Â the alsa
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, loop so it is started at boot time, but it
> > is still not
> > >Â Â Â working
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, very well. If I simply set WSJT-X audio to
> > use the SDR
> > >Â Â Â directly
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, it works great. But I've been told it is
> > not good
> > >Â Â Â practice to do
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, so; that the audio needs to be routed
> > through an
> > >Â Â Â application like
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, Quisk. Very frustrating.
> > >Â Â Â >>
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, Jim Bennett / W6JHB
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, Folsom, CA
> > >Â Â Â >>
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, On May 9, 2016, at 12:09 PM, Michael Durkin
> > >Â Â Â kc7noa@... <mailto:kc7noa@gmail.com>
> > <mailto:kc7noa@... <mailto:kc7noa@...>>
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, <mailto:kc7noa@...
> > <mailto:kc7noa@...> <mailto:kc7noa@...
> > <mailto:kc7noa@...>>>
> > >Â Â Â [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>
> > >Â Â Â >>Ã‚Â Ã‚Â Ã‚, <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, I set quisk digital to use snd-aloop ...

> > problem is
> > >Â Â Â most times
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, you have to build it into the kernel
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, For Rx using the monitor of quisk radio
> > output works
> > >Â Â Â fine ...
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, but for TX is a problem without the loop
> > ... that I've
> > >Â Â Â been able
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, to figure out by myself
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, On May 9, 2016 11:02 AM, "James Bennett
> > w6jhb@... <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, <mailto:w6jhb@...
> > <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> > >Â Â Â [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚, <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Hi Graeme!
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I finally got some time on the
> > Raspberry Pi
> > >Â Â Â and..... got
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, CQRlog installed and working
> > with Quisk and my
> > >Â Â Â OmniaSDR rig.
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Seems to work quite well,with
> > one exception -
> > >Â Â Â changing mode
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, in Quisk does not change it in
> > CQRlog. I probably
> > >Â Â Â have
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, something set wrong in CQRlog
> > and will do some more
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, investigating on that later
> > today. I also need to
> > >Â Â Â get FLDIGI
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, installed. And then figure out
> > how to route the
> > >Â Â Â JT65 and JT9
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, audio tones back and forth
> > between Quisk and

> > >Â Â Â WSJT-X. So much
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, to do, so little time.... :-
> > >Â Â Â >>>
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Jim Bennett / W6JHB
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Folsom, CA
> > >Â Â Â >>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On Apr 24, 2016, at 12:33 PM,
> > Graeme Jury
> > >Â Â Â gvjury@... <mailto:gvjury@...>
> > <mailto:gvjury@gmail.com <mailto:gvjury@...>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <mailto:gvjury@...
> > <mailto:gvjury@...>
> > >Â Â Â <mailto:gvjury@... <mailto:gvjury@...>>>
> > [n2adr-sdr]
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>
> > >Â Â Â >>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚,
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Hi Jim,
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Yes that is right. Both my
> > logging programs can
> > >Â Â Â control the
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, frequency in Quisk and switch
> > bands and modes.
> > >Â Â Â It also
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, works the other way so If I
> > change frequency,
> > >Â Â Â bands or
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, modes in Quisk it reflects
> > back into my log
> > >Â Â Â program. My log
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, program also produces voice
> > and CW signals so I can
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, automatically call CQ etc. and
> > this will drive
> > >Â Â Â Quisk also.
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I can run Quisk, the log
> > program and wsjtx all
> > >Â Â Â at the same
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, time.
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I notice that in the recent
> > versions of hamlib

> > >Â Â Â there is a
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, dedicated N2ADR interface now
> > which I have not
> > >Â Â Â tried but I
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, expect that it may be better
> > than using the
> > >Â Â Â generic network
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, radio of type 2 as I presently
> do.
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, If your port number 4575
> > clashes with other
> > >Â Â Â software, Quisk
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, allows you to change it.
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, If you are using Quisk to
> > source cluster
> > >Â Â Â information, you
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, can't use the same node for
> > your cluster as your
> > >Â Â Â log does.
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Fortunately there are two
> > nodes in ZL so I am OK
> > >Â Â Â here. You
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, will have a ton of nodes in
> > your area.
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, 73, Graeme ZL2APV
> > >Â Â Â >>>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On 25/04/16 06:16, James
> > Bennett w6jhb@me.com <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@me.com <mailto:w6jhb@...>>
> > >Â Â Â >>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <mailto:w6jhb@...
> > <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> > >Â Â Â [n2adr-sdr] wrote:
> > >Â Â Â >>>>>
> > >Â Â Â >>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Hi Graeme,
> > >Â Â Â >>>>>
> > >Â Â Â >>>>>
> > >Â Â Â >>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Thanks for the info on your
> > settings! Just to
> > >Â Â Â help my
> > >Â Â Â >>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, feeble brain get a handle on
> > this, do you run
> > >Â Â Â both Quisk
> > >Â Â Â >>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, AND either one of these
> > logging programs at the
> > >Â Â Â same time?
> > >Â Â Â >>>>>
> > >Â Â Â >>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Jim / W6JHB

> > >Â Â Â >>>>>
> > >Â Â Â >>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On Saturday, Apr 23, 2016,
> > atÃ‚Â Saturday, 1:08
> > >Â Â Â PM, Graeme
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Jury gvjury@gmail.com
> > <mailto:gvjury@...>
> > >Â Â Â <mailto:gvjury@... <mailto:gvjury@...>>
> > <mailto:gvjury@gmail.com <mailto:gvjury@...>
> > >Â Â Â <mailto:gvjury@... <mailto:gvjury@...>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, [n2adr-sdr]
> > <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚,
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Hello Jim,
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, My rig settings in my log
> > program are ...
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Host = localhost
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Port = 4575
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Rig model = 2 Hamlib NET rigctl
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Hope these can start you off OK.
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, 73, Graeme ZL2APV
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On 24/04/16 03:02, James
> > Bennettw6jhb@me.com <mailto:Bennettw6jhb@...>
> > >Â Â Â <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> > >Â Â Â >>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <mailto:w6jhb@...
> > <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>>>[n2adr-sdr]
> > wrote:
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I don't think the Mac is
> > where I need hamlib
> > >Â Â Â - I use
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Quisk on a Raspberry Pi
> > which runs Linux. And
> > >Â Â Â since I
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, also have WSJTX installed on
> > the RPi, hamlib
> > >Â Â Â is also
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, there. So I guess I need to

> > do some research
> > >Â Â Â and see HOW
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, hamlib can be used to do
> > what I want, with Quisk.
> > >Â Â Â >>>>>>>
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Jim Bennett / W6JHB
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Folsom, CA
> > >Â Â Â >>>>>>>
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On Apr 22, 2016, at 7:26 PM,
> > Graeme
> > >Â Â Â Jurygvjury@... <mailto:Jurygvjury@...>
> > <mailto:Jurygvjury@... <mailto:Jurygvjury@...>>
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <mailto:gvjury@...
> > <mailto:gvjury@gmail.com>
> > >Â Â Â <mailto:gvjury@...
> > <mailto:gvjury@...>>>[n2adr-sdr]
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>
> > >Â Â Â >>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚,
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> > >Â Â Â >>>>>>>
> > >Â Â Â >>>>>>>>
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I interface to my log
> > program (CQRLog and
> > >Â Â Â Xlog for
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Ã‚, contesting) with Hamlib. I am
> > a Linux user
> > >Â Â Â and don't
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, know much about the mac but
> > would be
> > >Â Â Â surprised if there
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, is not a version of Hamlib
> > for it.
> > >Â Â Â >>>>>>>>
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, 73, Graeme ZL2APV
> > >Â Â Â >>>>>>>>
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, On 23/04/16 12:07, James
> > Bennettw6jhb@... <mailto:Bennettw6jhb@me.com>
> > >Â Â Â <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> > >Â Â Â >>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Ã‚, <mailto:w6jhb@...
> > <mailto:w6jhb@...>
> > >Â Â Â <mailto:w6jhb@... <mailto:w6jhb@...>>>[n2adr-sdr]
> > wrote:
> > >Â Â Â >>>>>>>>>
> > >Â Â Â >>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Ã‚, Wondering if anyone has
> > investigated the

> > >Â Â Â possibility
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, of having Quisk write out
> > an ADIF record so
> > >Â Â Â that
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Ã‚, QSOÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢s made
> > with it can be input to a
> > >Â Â Â logging
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, program? Or perhaps
> > interface with a home-grown
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, application that does that?
> > >Â Â Â >>>>>>>>>
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, I ask because my main
> > logging program is
> > >Â Â Â MacLoggerDX
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, (MLDX) that runs on my
> > iMac. I use Quisk
> > >Â Â Â 4.0.4 on a
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Raspberry Pi along with an
> > OmniaSDR rig.
> > >Â Â Â After each
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, QSO IÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢ve
> > got to do the paper and
> > >Â Â Â pencil boogie to
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, get my
> > QSOÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢s logged into MLDX. Sure
> > >Â Â Â would be nice to
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, have an ADIF created that
> > I could haul into
> > >Â Â Â MLDX and
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, get the job done.
> > >Â Â Â >>>>>>>>>
> > >Â Â Â >>>>>>>>>>Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚Â Ã‚, Jim / W6JHB
> > >Â ÂÂ >>>>>>>>>
> > >Â Â Â >>>>>>>>
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>>
> > >Â Â Â >>>>>
> > >Â Â Â >>>>
> > >Â Â Â >
> > >
> > >
> > >Â Â Â --
> > >Â Â Â Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > >Â Â Â Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers
> > Tech Support
> > >Â Â Â Senior Staff Specialist, Cricket Coach
> > >Â Â Â Microsoft Windows Free Zone - Linux used for all
> > Computing Tasks
> > >
> > >

> > >
> > >Â Â Â ------------------------------------
> > >
> > >Â Â Â ------------------------------------
> > >
> > >
> > >Â Â Â ------------------------------------
> > >
> > >Â Â Â Yahoo Groups Links
> > >
> > >
> > >Â Â Â Ã‚Â Ã‚, n2adr-sdr-fullfeatured@yahoogroups.com
> > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> > >Â Â Â <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> > >
> > >
> > >
> >
> >
> > --
> > Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> > Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> > Senior Staff Specialist, Cricket Coach
> > Microsoft Windows Free Zone - Linux used for all Computing Tasks
> >
> >
> >
> > ------------------------------------
> >
> > ------------------------------------
> >
> >
> > ------------------------------------
> >
> > Yahoo Groups Links
> >
> >
> > Â Â n2adr-sdr-fullfeatured@yahoogroups.com
> > <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> >
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach

> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

2260. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-13 20:16:35 UTC
From: Sid Boyce
Topic: 2226 Message: 2260

That is still a successful freeDV QSO.

With QSD/QSE like Softrock/UHFSDR I don't know there is a way.

With DDC/DUC where the rig is on the LAN, quisk can be run from anywhere
to it as the rig is just another device on the network.
73 ... Sid.

On 13/05/16 18:36, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Iv only done in state qso with freeDv ... nothing long distance ...
> 500Miles max (what ever Seattle to Spokane is in distance) and only
> one day before i gave it up ....
>
> Is there a way to change quisk frequency remotely ?
>
> Using paprefs to stream the soundcards was too much of a load ... with
> 2 cards on my odroid-X2 and 3 on the odroid-C2 made for a mess with
> snd-aloop on both too ....
>
> Or only have accessible cretin devices ... Id like to either run
> remote desktop or have Quisk on the Odroid-C2 control Quisk on the
> Odroid-X2 ...
>
> On Fri, May 13, 2016 at 9:49 AM, Sid Boyce g3vbv@...
> <mailto:g3vbv@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> The -C2 is just great.
>
> ODROID-C2 (2GHz, 2GB RAM, Gigabit Ethernet) vs. Pi 3 (1.2GHz, 1GB RAM,
> 100MBps Ethernet, Wifi) - no contest.
> I could add a USB Wifi to the -C2 and get same or better performance.
>
> Booting up is amazingly swift using the eMMC. On the second one I am
> using a Sandisk Extreme microSD card and that is not a great deal
> slower
> than the eMMC to the eye.
> ? From clicking reboot ~20 seconds to full desktop with quisk
> automatically started using the microSD card.
>
> The Sandisk Ultra suffered corruptions easily. When it was running it
> didn't seem to take much to upset it - do an update and it would
> refuse
> to reboot - so either an eMMC or a microSD such as the Sandisk Extreme
> ensures it's stable.
>

> Ken (N9VV) is using his as a normal desktop, thunderbird email
> works but
> there is a problem with browsers. The forum suggests using
> firefox:armhf
> rather than firefox:aarch64 but I don't bother with browsers.
>
> Everything else seems OK and fast.
>
> I am still looking to hear good FreeDV. SNR RX levels are not good
> enough to copy a QSO.
> I caught a couple of syllables rather than words on 14.236 yesterday.
> 73 ... Sid.
>
> On 13/05/16 16:44, Michael Durkin kc7noa@...
> <mailto:kc7noa@...> [n2adr-sdr] wrote:
> > OK .. i thought so, but wanted to make 100% sure ....
> >
> > Hows the C2 for you sid?
> >
> > Is its shutdown / bootup times always the same? ... some times mine
> > will hand on shutdown for what seems like a few extra seconds to
> > almost 2 minuets ... makes me wonder if the SdCard is not quite
> right
> > ....
> >
> > On Fri, May 13, 2016 at 8:36 AM, Sid Boyce
> g3vbv@... <mailto:g3vbv@...>
> > <mailto:g3vbv@... <mailto:g3vbv@...>>
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >
> >? ? ? Absolutely no difference in building it on x86, x86_64,
> ARM 32-bit or
> >? ? ? ARM 64-bit.
> >? ? ? It is just another Ubuntu box.
> >? ? ? "make" or "python setup.py install" uses whatever gcc and
> python
> >? ? ? is the
> >? ? ? default.
> >? ? ? root@hiqsdr64:/opt/quisk-4.0.5# gcc -v
> >? ? ? Using built-in specs.
> >? ? ? COLLECT_GCC=gcc
> >? ?
> ? COLLECT_LTO_WRAPPER=/usr/lib/gcc/aarch64-linux-gnu/5/lto-wrapper
> >? ? ? Target: aarch64-linux-gnu
> >? ? ? <STUFF DELETED>
> >? ? ? =aarch64-linux-gnu --target=aarch64-linux-gnu
> >? ? ? Thread model: posix

> >? ? ? gcc version 5.3.1 20160413 (Ubuntu/Linaro 5.3.1-14ubuntu2)
> >
> >? ? ? This is qt5 I built locally from git using the
> instructions under
> >? ? ? ghpsdr3-alex - ODROID section.
> >? ? ? root@hiqsdr64:/opt/quisk-4.0.5#
> /usr/local/qt5/qtbase/bin/qmake -v
> >? ? ? QMake version 3.0
> >? ? ? Using Qt version 5.6.0 in /usr/local/qt5/qtbase/lib
> >? ? ? root@hiqsdr64:/opt/quisk-4.0.5# file
> /usr/local/qt5/qtbase/bin/qmake
> >? ? ? /usr/local/qt5/qtbase/bin/qmake: ELF 64-bit LSB
> executable, ARM
> >? ? ? aarch64,
> >? ? ? version 1 (GNU/Linux), dynamically linked, interpreter
> >? ? ? /lib/ld-linux-aarch64.so.1, for GNU/Linux 3.7.0,
> >? ? ? BuildID[sha1]=2b553f359cb8c1f2a404dc051416d81298770f5b,
> not stripped
> >? ? ? 73 ... Sid.
> >
> >? ? ? On 13/05/16 14:52, Michael Durkin kc7noa@...
> <mailto:kc7noa@...>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>> [n2adr-sdr] wrote:
> >? ? ? >
> >? ? ? > When you build quisk .... on a 64bit platform -- do you
> need to tell
> >? ? ? > it to build a 64bit version, or is it automatically done?
> >? ? ? >
> >? ? ? > On May 13, 2016 5:56 AM, "Sid Boyce
> g3vbv@... <mailto:g3vbv@...>
> >? ? ? <mailto:g3vbv@...
> <mailto:g3vbv@...>>
> >? ? ? > <mailto:g3vbv@...
> <mailto:g3vbv@...> <mailto:g3vbv@...
> <mailto:g3vbv@...>>>
> >? ? ? [n2adr-sdr]"
> >? ? ? > <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>> wrote:
> >? ? ? >
> >? ? ? >Â? Â? Â "dpkg -l pulseaudio" will display the version.
> >? ? ? >
> >? ? ? >Â? Â? Â If you are running a 64-bit OS on the Pi 3
> you can
> >? ? ? recompile quisk as
> >? ? ? >Â? Â? Â 64-bit or you can use the one compiled for
> the original

> >? ? ? Pi model B
> >? ? ? >Â? Â? Â or Pi
> >? ? ? >Â? Â? Â 2 which is backwards compatible.
> >? ? ? >
> >? ? ? >Â? Â? Â In my case, the ODROID-C2 is running Ubuntu
> 64-bit so I
> >? ? ? have rebuilt
> >? ? ? >Â? Â? Â quisk to be 64-bit.
> >? ? ? >Â? Â? Â root@hiqsdr64:/home/odroid/Pictures# uname -a
> >? ? ? >Â? Â? Â Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT
> Tue Mar 15
> >? ? ? 23:57:29 BRT 2016
> >? ? ? >Â? Â? Â aarch64 aarch64 aarch64 GNU/Linux
> >? ? ? >Â? Â? Â root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> >? ? ? >Â? Â? Â _quisk.so: ELF 64-bit LSB shared object,
> ARM aarch64,
> >? ? ? version 1
> >? ? ? >Â? Â? Â (SYSV),
> >? ? ? >Â? Â? Â dynamically linked,
> >? ? ? >Â? Â Â
> BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264,
> >? ? ? not stripped
> >? ? ? >Â? Â? Â 73 ... Sid.
> >? ? ? >
> >? ? ? >Â? Â? Â On 13/05/16 05:38, James Bennett
> w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>> [n2adr-sdr] wrote:
> >? ? ? >Â? Â? Â > Michael - been busy with some woodworking
> projects and
> >? ? ? haven't been
> >? ? ? >Â? Â? Â > able to devote time to this issue yet.
> But I do have a
> >? ? ? couple
> >? ? ? >Â? Â? Â questions.
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > First - how can I tell what version of
> Pulseaudio is on
> >? ? ? my RPi
> >? ? ? >Â? Â? Â 3? And
> >? ? ? >Â? Â? Â > how to get to v8 if I'm at a lower
> version - just do a
> >? ? ? sudo apt-get
> >? ? ? >Â? Â? Â > upgrade xxxxxx?
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > Second - why the need to re-build Quisk
> and WSJT-X? Do
> >? ? ? they not pick
> >? ? ? >Â? Â? Â > up the audio in and out "ports" at run

> time, based on
> >? ? ? profiles and
> >? ? ? >Â? Â? Â > settings?
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > You say you are working with WSJT-X TX
> now; you are
> >? ? ? saying that
> >? ? ? >Â? Â? Â using
> >? ? ? >Â? Â? Â > Quisk, you are able to have WSJT-X do
> both transmit and
> >? ? ? receive?
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > Jim / W6JHB
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > Jim Bennett / W6JHB
> >? ? ? >Â? Â? Â > Folsom, CA
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â > On May 11, 2016, at 5:20 PM, Michael Durkin
> >? ? ? kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>
> >? ? ? >Â? Â? Â <mailto:kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>>
> >? ? ? >Â? Â? Â > <mailto:kc7noa@...
> <mailto:kc7noa@...> <mailto:kc7noa@...
> <mailto:kc7noa@...>>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>>> [n2adr-sdr]
> >? ? ? >Â? Â? Â <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >
> >? ? ? >Â? Â? Â >> Try this in order ....
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Update pulseaudio to v8
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Rebuild quisk and install
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Rebuild wsjtx and install (or not install)
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Run quisk and don't set digital to

> (hw:X,X) but use
> >? ? ? the pulseaudio
> >? ? ? >Â? Â? Â >> names - not alsa's -restart quisk if needed
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Run wsjtx .... check wsjtx audio
> settings ...
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> Then run pavucontrol and verify qt
> streams have audio
> >? ? ? on them
> >? ? ? >Â? Â? Â >> (recording, playback will not show until
> wsjtx is set
> >? ? ? to tune)
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> I'm working with wsjtx TX now...
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >> On May 9, 2016 12:39 PM, "James Bennett
> w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>>
> >? ? ? >Â? Â? Â >> <mailto:w6jhb@...
> <mailto:w6jhb@...> <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>>> [n2adr-sdr]"
> >? ? ? >Â? Â? Â <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >>Ã‚Â? Ã‚Â? Ã‚, Yep, that's what
> I've been trying to do,
> >? ? ? too. I set up
> >? ? ? >Â? Â? Â the alsa
> >? ? ? >Â? Â? Â >>Ã‚Â? Ã‚Â? Ã‚, loop so it is
> started at boot time, but it
> >? ? ? is still not
> >? ? ? >Â? Â? Â working
> >? ? ? >Â? Â? Â >>Ã‚Â? Ã‚Â? Ã‚, very well. If I
> simply set WSJT-X audio to
> >? ? ? use the SDR
> >? ? ? >Â? Â? Â directly

> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, it works great.
> But I've been told it is
> >? ? ? not good
> >? ? ? >Â? Â? Â practice to do
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, so; that the
> audio needs to be routed
> >? ? ? through an
> >? ? ? >Â? Â? Â application like
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, Quisk. Very
> frustrating.
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, Jim Bennett / W6JHB
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, Folsom, CA
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã, On May 9, 2016,
> at 12:09 PM, Michael Durkin
> >? ? ? >Â? Â? Â kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>
> <mailto:kc7noa@... <mailto:kc7noa@...>>>
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã,
> <mailto:kc7noa@... <mailto:kc7noa@...>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>>
> <mailto:kc7noa@... <mailto:kc7noa@...>
> >? ? ? <mailto:kc7noa@... <mailto:kc7noa@...>>>>
> >? ? ? >Â? Â? Â [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >>Ã,Â? Ã,Â? Ã,
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã, I set quisk
> digital to use snd-aloop ...
> >? ? ? problem is
> >? ? ? >Â? Â? Â most times
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã, you have to
> build it into the kernel
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã, For Rx using
> the monitor of quisk radio
> >? ? ? output works

> >? ? ? >Â? Â? Â fine ...
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã, but for TX is a
> problem without the loop
> >? ? ? ... that I've
> >? ? ? >Â? Â? Â been able
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã, to figure out
> by myself
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã, On May 9, 2016
> 11:02 AM, "James Bennett
> >? ? ?w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã,
> <mailto:w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> <mailto:w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>>>
> >? ? ? >Â? Â? Â [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã,
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã‚Â? Ã‚Â?
> Ã‚, Hi Graeme!
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã‚Â? Ã‚Â?
> Ã‚, I finally got some time on the
> >? ? ? Raspberry Pi
> >? ? ? >Â? Â? Â and..... got
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã‚Â? Ã‚Â?
> Ã‚, CQRlog installed and working
> >? ? ? with Quisk and my
> >? ? ? >Â? Â? Â OmniaSDR rig.
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã‚Â? Ã‚Â?
> Ã‚, Seems to work quite well,with
> >? ? ? one exception -
> >? ? ? >Â? Â? Â changing mode
> >? ? ? >Â? Â? Â >>>Ã‚Â? Ã‚Â? Ã‚Â? Ã‚Â?

> Ã, in Quisk does not change it in
> >? ? ? CQRlog. I probably
> >? ? ? >Â? Â? Â have
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, something set wrong in CQRlog
> >? ? ? and will do some more
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, investigating on that later
> >? ? ? today. I also need to
> >? ? ? >Â? Â? Â get FLDIGI
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, installed. And then figure out
> >? ? ? how to route the
> >? ? ? >Â? Â? Â JT65 and JT9
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, audio tones back and forth
> >? ? ? between Quisk and
> >? ? ? >Â? Â? Â WSJT-X. So much
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, to do, so little time.... :-
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Jim Bennett / W6JHB
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Folsom, CA
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, On Apr 24, 2016, at 12:33 PM,
> >? ? ? Graeme Jury
> >? ? ? >Â? Â? Â gvjury@... <mailto:gvjury@...>
> <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>
> <mailto:gvjury@... <mailto:gvjury@...>>>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, <mailto:gvjury@... <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? >Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...> <mailto:gvjury@...
> <mailto:gvjury@...>>>>
> >? ? ? [n2adr-sdr]
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >>>Ã,Â? Ã,Â? Ã,Â? Ã,Â? Ã,
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com

> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Hi Jim,
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Yes that is right. Both my
> >? ? ? logging programs can
> >? ? ? >Â? Â? Â control the
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, frequency in Quisk and switch
> >? ? ? bands and modes.
> >? ? ? >Â? Â? Â It also
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, works the other way so If I
> >? ? ? change frequency,
> >? ? ? >Â? Â? Â bands or
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, modes in Quisk it reflects
> >? ? ? back into my log
> >? ? ? >Â? Â? Â program. My log
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, program also produces voice
> >? ? ? and CW signals so I can
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, automatically call CQ etc. and
> >? ? ? this will drive
> >? ? ? >Â? Â? Â Quisk also.
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, I can run Quisk, the log
> >? ? ? program and wsjtx all
> >? ? ? >Â? Â? Â at the same
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, time.
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, I notice that in the recent
> >? ? ? versions of hamlib
> >? ? ? >Â? Â? Â there is a
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, dedicated N2ADR interface now
> >? ? ? which I have not
> >? ? ? >Â? Â? Â tried but I
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, expect that it may be better
> >? ? ? than using the

> >? ? ? >Â? Â? Â generic network
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, radio of type 2 as I presently do.
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, If your port number 4575
> >? ? ? clashes with other
> >? ? ? >Â? Â? Â software, Quisk
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, allows you to change it.
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, If you are using Quisk to
> >? ? ? source cluster
> >? ? ? >Â? Â? Â information, you
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, can't use the same node for
> >? ? ? your cluster as your
> >? ? ? >Â? Â? Â log does.
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Fortunately there are two
> >? ? ? nodes in ZL so I am OK
> >? ? ? >Â? Â? Â here. You
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, will have a ton of nodes in
> >? ? ? your area.
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, 73, Graeme ZL2APV
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, On 25/04/16 06:16, James
> >? ? ? Bennett w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>>
> >? ? ? >Â? Â? Â >>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, <mailto:w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> <mailto:w6jhb@... <mailto:w6jhb@...> <mailto:w6jhb@...
> <mailto:w6jhb@...>>>>
> >? ? ? >Â? Â? Â [n2adr-sdr] wrote:
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Hi Graeme,
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Thanks for the info on your
> >? ? ? settings! Just to

> >? ? ? >Â? Â? Â help my
> >? ? ? >Â? Â? Â >>>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, feeble brain get a handle on
> >? ? ? this, do you run
> >? ? ? >Â? Â? Â both Quisk
> >? ? ? >Â? Â? Â >>>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, AND either one of these
> >? ? ? logging programs at the
> >? ? ? >Â? Â? Â same time?
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>Ã,Â? Ã,Â? Ã,Â? Ã,Â?
> Ã, Jim / W6JHB
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, On Saturday, Apr 23, 2016,
> >? ? ? atÃ,Â? Saturday, 1:08
> >? ? ? >Â? Â? Â PM, Graeme
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Jury gvjury@... <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? >Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...> <mailto:gvjury@...
> <mailto:gvjury@...>>>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>
> <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? >Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...> <mailto:gvjury@...
> <mailto:gvjury@...>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, [n2adr-sdr]
> >? ? ? <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã,
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Hello Jim,
> >? ? ? >Â? Â? Â >>>>>>

> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, My rig settings in my log
> >? ? ? program are ...
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Host = localhost
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Port = 4575
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Rig model = 2 Hamlib NET rigctl
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Hope these can start you off OK.
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, 73, Graeme ZL2APV
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, On 24/04/16 03:02, James
> >? ? ? Bennettw6jhb@... <mailto:Bennettw6jhb@...>
> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:Bennettw6jhb@...
> <mailto:Bennettw6jhb@...> <mailto:Bennettw6jhb@...
> <mailto:Bennettw6jhb@...>>>
> >? ? ? >Â? Â? Â >>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, <mailto:w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>>>[n2adr-sdr]
> >? ? ? wrote:
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, I don't think the Mac is
> >? ? ? where I need hamlib
> >? ? ? >Â? Â? Â - I use
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Quisk on a Raspberry Pi
> >? ? ? which runs Linux. And
> >? ? ? >Â? Â? Â since I
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, also have WSJTX installed on
> >? ? ? the RPi, hamlib
> >? ? ? >Â? Â? Â is also
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, there. So I guess I need to
> >? ? ? do some research
> >? ? ? >Â? Â? Â and see HOW
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, hamlib can be used to do
> >? ? ? what I want, with Quisk.
> >? ? ? >Â? Â? Â >>>>>>>

> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Jim Bennett / W6JHB
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, Folsom, CA
> >? ? ? >Â? Â? Â >>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, On Apr 22, 2016, at 7:26 PM,
> >? ? ? Graeme
> >? ? ? >Â? Â? Â Jurygvjury@...
> <mailto:Jurygvjury@...> <mailto:Jurygvjury@...
> <mailto:Jurygvjury@...>>
> >? ? ? <mailto:Jurygvjury@...
> <mailto:Jurygvjury@...> <mailto:Jurygvjury@...
> <mailto:Jurygvjury@...>>>
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, <mailto:gvjury@... <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@... <mailto:gvjury@...>>
> >? ? ? >Â? Â? Â <mailto:gvjury@...
> <mailto:gvjury@...>
> >? ? ? <mailto:gvjury@...
> <mailto:gvjury@...>>>>[n2adr-sdr]
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã, <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>
> >? ? ? >Â? Â? Â >>>>>>>Ã,Â? Ã,Â? Ã,Â Ã,Â?
> Ã,
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>
> <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>
> >? ? ? >Â? Â? Â <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>>>>> wrote:
> >? ? ? >Â? Â? Â >>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â?
> Ã,Â? Ã, I interface to my log
> >? ? ? program (CQRLog and
> >? ? ? >Â? Â? Â Xlog for
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â? Ã,
> Ã, contesting) with Hamlib. I am
> >? ? ? a Linux user
> >? ? ? >Â? Â? Â and don't
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â?
> Ã,Â? Ã, know much about the mac but
> >? ? ? would be
> >? ? ? >Â? Â? Â surprised if there

> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â?
> Ã,Â? Ã, is not a version of Hamlib
> >? ? ? for it.
> >? ? ? >Â? Â? Â >>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â?
> Ã,Â? Ã, 73, Graeme ZL2APV
> >? ? ? >Â? Â? Â >>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â?
> Ã,Â? Ã, On 23/04/16 12:07, James
> >? ? ? Bennettw6jhb@... <mailto:Bennettw6jhb@...>
> <mailto:Bennettw6jhb@... <mailto:Bennettw6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:Bennettw6jhb@...
> <mailto:Bennettw6jhb@...> <mailto:Bennettw6jhb@...
> <mailto:Bennettw6jhb@...>>>
> >? ? ? >Â? Â? Â >>>>>>>>Ã,Â? Ã,Â Ã,Â? Ã,
> Ã, <mailto:w6jhb@... <mailto:w6jhb@...>
> >? ? ? <mailto:w6jhb@... <mailto:w6jhb@...>>
> >? ? ? >Â? Â? Â <mailto:w6jhb@... <mailto:w6jhb@...>
> <mailto:w6jhb@... <mailto:w6jhb@...>>>>[n2adr-sdr]
> >? ? ? wrote:
> >? ? ? >Â? Â? Â >>>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â? Ã,
> Ã, Wondering if anyone has
> >? ? ? investigated the
> >? ? ? >Â? Â? Â possibility
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, of having Quisk write out
> >? ? ? an ADIF record so
> >? ? ? >Â? Â? Â that
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â? Ã,
> Ã, QSOÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢s made
> >? ? ? with it can be input to a
> >? ? ? >Â? Â? Â logging
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â? Ã,
> Ã, program? Or perhaps
> >? ? ? interface with a home-grown
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â? Ã,
> Ã, application that does that?
> >? ? ? >Â? Â? Â >>>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, I ask because my main
> >? ? ? logging program is
> >? ? ? >Â? Â? Â MacLoggerDX
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, (MLDX) that runs on my
> >? ? ? iMac. I use Quisk
> >? ? ? >Â? Â? Â 4.0.4 on a
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â? Ã,
> Ã, Raspberry Pi along with an
> >? ? ? OmniaSDR rig.

> >? ? ? >Â? Â? Â After each
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, QSO IÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢ve
> >? ? ? got to do the paper and
> >? ? ? >Â? Â? Â pencil boogie to
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, get my
> >? ? ? QSOÃƒÂ¢Ã¢â€šÂ¬Ã¢â€žÂ¢s logged into
> MLDX. Sure
> >? ? ? >Â? Â? Â would be nice to
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, have an ADIF created that
> >? ? ? I could haul into
> >? ? ? >Â? Â? Â MLDX and
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, get the job done.
> >? ? ? >Â? Â? Â >>>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>>Ã,Â Ã,Â? Ã,Â?
> Ã,Â? Ã, Jim / W6JHB
> >? ? ? >Â? ÂÂ >>>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>>>
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>>
> >? ? ? >Â? Â? Â >>>>>
> >? ? ? >Â? Â? Â >>>>
> >? ? ? >Â? Â? Â >
> >? ? ? >
> >? ? ? >
> >? ? ? >Â? Â? Â --
> >? ? ? >Â? Â? Â Sid Boyce ... Hamradio License G3VBV,
> Licensed Private Pilot
> >? ? ? >Â? Â? Â Emeritus IBM/Amdahl Mainframes and
> Sun/Fujitsu Servers
> >? ? ? Tech Support
> >? ? ? >Â? Â? Â Senior Staff Specialist, Cricket Coach
> >? ? ? >Â? Â? Â Microsoft Windows Free Zone - Linux used
> for all
> >? ? ? Computing Tasks
> >? ? ? >
> >? ? ? >
> >? ? ? >
> >? ? ? >Â? Â? Â ------------------------------------
> >? ? ? >
> >? ? ? >Â? Â? Â ------------------------------------
> >? ? ? >
> >? ? ? >
> >? ? ? >Â? Â? Â ------------------------------------
> >? ? ? >
> >? ? ? >Â? Â? Â Yahoo Groups Links
> >? ? ? >

> >? ? ? >
> >? ? ? >Â? Â? Â Ã,Â? Ã,
> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> >? ? ? >Â? Â? Â
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>>
> >? ? ? >
> >? ? ? >
> >? ? ? >
> >
> >
> >? ? ? --
> >? ? ? Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> >? ? ? Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers
> Tech Support
> >? ? ? Senior Staff Specialist, Cricket Coach
> >? ? ? Microsoft Windows Free Zone - Linux used for all
> Computing Tasks
> >
> >
> >
> >? ? ? ------------------------------------
> >
> >? ? ? ------------------------------------
> >
> >
> >? ? ? ------------------------------------
> >
> >? ? ? Yahoo Groups Links
> >
> >
> >? ? ? Â? Â n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
> >? ? ? <mailto:n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>>
> >
> >
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach

> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
> ? ? n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2261. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-14 22:32:53 UTC
From: James Bennett
Topic: 2226 Message: 2261

Sid and Michael -

well, that was an interesting process (sudo apt-get upgrade); took several minutes and updated/upgraded several packages on my RPi3, but the end result is my having the same version of Pulseaudio as before: 5.0-13

Is there a magic trick to getting Pulseaudio v8, or is this because I am NOT running Ubuntu, but rather Raspian Jessie?

Jim / W6JHB

> On Friday, May 13, 2016, at Friday, 6:52 AM, Michael Durkin kc7noa@...m [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> When you build quisk .... on a 64bit platform -- do you need to tell it to build a 64bit version, or is it automatically done?
>
> On May 13, 2016 5:56 AM, "Sid Boyce g3vbv@... <mailto:g3vbv@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> "dpkg -l pulseaudio" will display the version.
>
> If you are running a 64-bit OS on the Pi 3 you can recompile quisk as
> 64-bit or you can use the one compiled for the original Pi model B or Pi
> 2 which is backwards compatible.
>
> In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
> quisk to be 64-bit.
> root@hiqsdr64:/home/odroid/Pictures# uname -a
> Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT 2016
> aarch64 aarch64 aarch64 GNU/Linux
> root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> _quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1 (SYSV),
> dynamically linked,
> BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264, not stripped
> 73 ... Sid.
>
> On 13/05/16 05:38, James Bennett w6jhb@me.com <mailto:w6jhb@...> [n2adr-sdr] wrote:
> > Michael - been busy with some woodworking projects and haven't been
> > able to devote time to this issue yet. But I do have a couple questions.
> >
> > First - how can I tell what version of Pulseaudio is on my RPi 3? And
> > how to get to v8 if I'm at a lower version - just do a sudo apt-get
> > upgrade xxxxxx?
> >
> > Second - why the need to re-build Quisk and WSJT-X? Do they not pick

> > up the audio in and out "ports" at run time, based on profiles and
> > settings?
> >
> > You say you are working with WSJT-X TX now; you are saying that using
> > Quisk, you are able to have WSJT-X do both transmit and receive?
> >
> > Jim / W6JHB
> >
> > Jim Bennett / W6JHB
> > Folsom, CA
> >
> > On May 11, 2016, at 5:20 PM, Michael Durkin kc7noa@... <mailto:kc7noa@gmail.com>
> > <mailto:kc7noa@... <mailto:kc7noa@...>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
<mailto:n2adr-sdr@yahoogroups.com>
> > <mailto:n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
> >
> >> Try this in order ....
> >>
> >> Update pulseaudio to v8
> >>
> >> Rebuild quisk and install
> >>
> >> Rebuild wsjtx and install (or not install)
> >>
> >> Run quisk and don't set digital to (hw:X,X) but use the pulseaudio
> >> names - not alsa's -restart quisk if needed
> >>
> >> Run wsjtx .... check wsjtx audio settings ...
> >>
> >> Then run pavucontrol and verify qt streams have audio on them
> >> (recording, playback will not show until wsjtx is set to tune)
> >>
> >> I'm working with wsjtx TX now...
> >>

2262. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-14 22:43:47 UTC
From: Michael Durkin
Topic: 2226 Message: 2262

If you add theppa for pulse audio dev , you should have v8 ....

Though I'm not 100% convinced that if you rebuild quisk .... ie

Make
Sudo python setup.py install

You should get quisk & wsjtx to work ...

Are you using jtsdk to install wsjtx?

2263. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-14 23:10:05 UTC
From: James Bennett
Topic: 2226 Message: 2263

No, I compiled hamlib-3 and wsjtx using Bill Somerville’s instructions. It is wsjtx v1.7.0-devel

> On Saturday, May 14, 2016, at Saturday, 3:43 PM, Michael Durkin kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> If you add theppa for pulse audio dev , you should have v8 ....
>
> Though I'm not 100% convinced that if you rebuild quisk .... ie
>
> Make
> Sudo python setup.py install
>
> You should get quisk & wsjtx to work ...
>
> Are you using jtsdk to install wsjtx?
>
>
>

2264. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-14 23:55:28 UTC
From: Sid Boyce
Topic: 2226 Message: 2264

Most likely Raspbian is not at current level but I used
ubuntu-mate-15.10.1-desktop-armhf-raspberry-pi-2.img on my Pi 2.
I only ever had a problem with pulseaudio version 1, from version 2
onwards it has been solid on all platforms including Pi 1 with
2015-02-16-raspbian-wheezy.zip.
73 ... Sid.

On 14/05/16 23:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Sid and Michael -
>
>
> well, that was an interesting process (sudo apt-get upgrade); took
> several minutes and updated/upgraded several packages on my RPi3, but
> the end result is my having the same version of Pulseaudio as before:
> 5.0-13
>
> Is there a magic trick to getting Pulseaudio v8, or is this because I
> am NOT running Ubuntu, but rather Raspian Jessie?
>
> Jim / W6JHB
>
>
>> On Friday, May 13, 2016, at Friday, 6:52 AM, Michael Durkin
>> kc7noa@... <mailto:kc7noa@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> When you build quisk .... on a 64bit platform -- do you need to tell
>> it to build a 64bit version, or is it automatically done?
>>
>> On May 13, 2016 5:56 AM, "Sid Boyceg3vbv@...
>> <mailto:g3vbv@...>[n2adr-sdr]"
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> "dpkg -l pulseaudio" will display the version.
>>
>> If you are running a 64-bit OS on the Pi 3 you can recompile quisk as
>> 64-bit or you can use the one compiled for the original Pi model
>> B or Pi
>> 2 which is backwards compatible.
>>
>> In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
>> quisk to be 64-bit.
>> root@hiqsdr64:/home/odroid/Pictures# uname -a

>> Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT 2016
>> aarch64 aarch64 aarch64 GNU/Linux
>> root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
>> _quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1
>> (SYSV),
>> dynamically linked,
>> BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264, not stripped
>> 73 ... Sid.
>>
>> On 13/05/16 05:38, James Bennettw6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr] wrote:
>> > Michael - been busy with some woodworking projects and haven't been
>> > able to devote time to this issue yet. But I do have a couple
>> questions.
>> >
>> > First - how can I tell what version of Pulseaudio is on my RPi
>> 3? And
>> > how to get to v8 if I'm at a lower version - just do a sudo apt-get
>> > upgrade xxxxxx?
>> >
>> > Second - why the need to re-build Quisk and WSJT-X? Do they not
>> pick
>> > up the audio in and out "ports" at run time, based on profiles and
>> > settings?
>> >
>> > You say you are working with WSJT-X TX now; you are saying that
>> using
>> > Quisk, you are able to have WSJT-X do both transmit and receive?
>> >
>> > Jim / W6JHB
>> >
>> > Jim Bennett / W6JHB
>> > Folsom, CA
>> >
>> > On May 11, 2016, at 5:20 PM, Michael Durkinkc7noa@...
>> <mailto:kc7noa@...>
>> > <mailto:kc7noa@... <mailto:kc7noa@...>> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
>> > <mailto:n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:
>> >
>> >> Try this in order ....
>> >>
>> >> Update pulseaudio to v8
>> >>
>> >> Rebuild quisk and install
>> >>
>> >> Rebuild wsjtx and install (or not install)
>> >>
>> >> Run quisk and don't set digital to (hw:X,X) but use the pulseaudio

>> >> names - not alsa's -restart quisk if needed
>> >>
>> >> Run wsjtx .... check wsjtx audio settings ...
>> >>
>> >> Then run pavucontrol and verify qt streams have audio on them
>> >> (recording, playback will not show until wsjtx is set to tune)
>> >>
>> >> I'm working with wsjtx TX now...
>> >>
>>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2265. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-15 00:01:31 UTC
From: Michael Durkin
Topic: 2226 Message: 2265

Kinda what I was trying to get at .... should work without v8 ....

Once it's up to date with packages ... try rebuilding Quisk ....
On May 14, 2016 4:55 PM, "Sid Boyce g3vbv@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

> Most likely Raspbian is not at current level but I used
> ubuntu-mate-15.10.1-desktop-armhf-raspberry-pi-2.img on my Pi 2.
> I only ever had a problem with pulseaudio version 1, from version 2
> onwards it has been solid on all platforms including Pi 1 with
> 2015-02-16-raspbian-wheezy.zip.
> 73 ... Sid.
>
> On 14/05/16 23:32, James Bennett w6jhb@... [n2adr-sdr] wrote:
> >
> > Sid and Michael -
> >
> >
> > well, that was an interesting process (sudo apt-get upgrade); took
> > several minutes and updated/upgraded several packages on my RPi3, but
> > the end result is my having the same version of Pulseaudio as before:
> > 5.0-13
> >
> > Is there a magic trick to getting Pulseaudio v8, or is this because I
> > am NOT running Ubuntu, but rather Raspian Jessie?
> >
> > Jim / W6JHB
> >
> >
> >> On Friday, May 13, 2016, at Friday, 6:52 AM, Michael Durkin
> >> kc7noa@... <mailto:kc7noa@...> [n2adr-sdr]
> >> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>
> >>
> >> When you build quisk .... on a 64bit platform -- do you need to tell
> >> it to build a 64bit version, or is it automatically done?
> >>
> >> On May 13, 2016 5:56 AM, "Sid Boyceg3vbv@...
> >> <mailto:g3vbv@...>[n2adr-sdr]"
> >> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >>
> >> "dpkg -l pulseaudio" will display the version.
> >>
> >> If you are running a 64-bit OS on the Pi 3 you can recompile quisk
> > as

> >> 64-bit or you can use the one compiled for the original Pi model
> >> B or Pi
> >> 2 which is backwards compatible.
> >>
> >> In my case, the ODROID-C2 is running Ubuntu 64-bit so I have rebuilt
> >> quisk to be 64-bit.
> >> root@hiqsdr64:/home/odroid/Pictures# uname -a
> >> Linux hiqsdr64 3.14.29-37 #1 SMP PREEMPT Tue Mar 15 23:57:29 BRT
> 2016
> >> aarch64 aarch64 aarch64 GNU/Linux
> >> root@hiqsdr64:/opt/quisk-4.0.5# file _quisk.so
> >> _quisk.so: ELF 64-bit LSB shared object, ARM aarch64, version 1
> >> (SYSV),
> >> dynamically linked,
> >> BuildID[sha1]=0649fe6c2a4b97eb565a06676ae6ad2e9ea6f264, not stripped
> >> 73 ... Sid.
> >>
> >> On 13/05/16 05:38, James Bennettw6jhb@...
> >> <mailto:w6jhb@...>[n2adr-sdr] wrote:
> >> > Michael - been busy with some woodworking projects and haven't
> been
> >> > able to devote time to this issue yet. But I do have a couple
> >> questions.
> >> >
> >> > First - how can I tell what version of Pulseaudio is on my RPi
> >> 3? And
> >> > how to get to v8 if I'm at a lower version - just do a sudo
> apt-get
> >> > upgrade xxxxxx?
> >> >
> >> > Second - why the need to re-build Quisk and WSJT-X? Do they not
> >> pick
> >> > up the audio in and out "ports" at run time, based on profiles and
> >> > settings?
> >> >
> >> > You say you are working with WSJT-X TX now; you are saying that
> >> using
> >> > Quisk, you are able to have WSJT-X do both transmit and receive?
> >> >
> >> > Jim / W6JHB
> >> >
> >> > Jim Bennett / W6JHB
> >> > Folsom, CA
> >> >
> >> > On May 11, 2016, at 5:20 PM, Michael Durkinkc7noa@...
> >> <mailto:kc7noa@...>
> >> > <mailto:kc7noa@... <mailto:kc7noa@...>> [n2adr-sdr]
> >> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>
> >> > <mailto:n2adr-sdr@yahoogroups.com
> >> <mailto:n2adr-sdr@yahoogroups.com>>> wrote:

> >> >
> >> >> Try this in order ....
> >> >>
> >> >> Update pulseaudio to v8
> >> >>
> >> >> Rebuild quisk and install
> >> >>
> >> >> Rebuild wsjtx and install (or not install)
> >> >>
> >> >> Run quisk and don't set digital to (hw:X,X) but use the
> pulseaudio
> >> >> names - not alsa's -restart quisk if needed
> >> >>
> >> >> Run wsjtx .... check wsjtx audio settings ...
> >> >>
> >> >> Then run pavucontrol and verify qt streams have audio on them
> >> >> (recording, playback will not show until wsjtx is set to tune)
> >> >>
> >> >> I'm working with wsjtx TX now...
> >> >>
> >>
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
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> Yahoo Groups Links
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2266. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-16 20:49:58 UTC
From: w6jhb@...
Topic: 2226 Message: 2266

Sid, Michael, and Others -

Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie, downloaded and compiled the most recent Quisk (4.0.5) and tried a few different output devices in WSJTX with various input (capture) devices in Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol while WSJTX was doing its transmit, but got no hints there. Getting close to giving up and simply using WSJT-X as a receive-only application on the RPi.

In case you want to help pursue this a bit further, I've taken several screen shots of settings in Quisk and WSJT-X and posted them in a photos album in the group. If you see anything that jumps out and might help to try, please let me know.

Tnx, Jim / W6JHB

2267. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 02:09:27 UTC
From: Michael Durkin
Topic: 2226 Message: 2267

Iv said it before .. don't use the (hw:X,X) listings ... just the ones that
you see listed under pulseaudio on the soundtab ---

"Loopback Analog Stereo" is one that i see in your screen shot ....

and reduce the samplerate's to 48000 till you get all working ...

On Mon, May 16, 2016 at 1:49 PM, w6jhb@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Sid, Michael, and Others -
>
> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie,
> downloaded and compiled the most recent Quisk (4.0.5) and tried a few
> different output devices in WSJTX with various input (capture) devices in
> Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol
> while WSJTX was doing its transmit, but got no hints there. Getting close
> to giving up and simply using WSJT-X as a receive-only application on the
> RPi.
>
> In case you want to help pursue this a bit further, I've taken several
> screen shots of settings in Quisk and WSJT-X and posted them in a photos
> album in the group. If you see anything that jumps out and might help to
> try, please let me know.
>
> Tnx, Jim / W6JHB
>
>
>

2268. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 17:39:05 UTC
From: James Bennett
Topic: 2226 Message: 2268

Well, that got it - sort of.

I changed the input and output in Quisk and WSJTX to use that Pulse thing. The good news: the WSJTX audio output is now being routed to Quisk and then gets sent to the OmniaSDR where it is converted to RF and out my coax. The bad news: the latency is so bad that nothing decodes on the WSJTX main window. I can see traces being printed, but no decodes, probably due to the latency. Listening to it on the headphones I can hear the audio stuttering. So the bottom line is this isn't a workable solution. The Raspberry Pi CPU utilization is less than 60 percent, so the processor is certainly not overloaded. Any idea how to resolve this ugly choppy audio? It ain't working like this!!! :-)

73, Jim

> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin kc7noa@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Iv said it before .. don't use the (hw:X,X) listings ... just the ones that you see listed under pulseaudio on the soundtab ---
>
> "Loopback Analog Stereo" is one that i see in your screen shot ....
>
> and reduce the samplerate's to 48000 till you get all working ...
>
> On Mon, May 16, 2016 at 1:49 PM, w6jhb@me.com <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Sid, Michael, and Others -
>
>
> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie, downloaded and compiled the most recent Quisk (4.0.5) and tried a few different output devices in WSJTX with various input (capture) devices in Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol while WSJTX was doing its transmit, but got no hints there. Getting close to giving up and simply using WSJT-X as a receive-only application on the RPi.
>
> In case you want to help pursue this a bit further, I've taken several screen shots of settings in Quisk and WSJT-X and posted them in a photos album in the group. If you see anything that jumps out and might help to try, please let me know.
>
> Tnx, Jim / W6JHB
>
>
>
>

2269. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 17:40:24 UTC
From: James Bennett
Topic: 2226 Message: 2269

Oh - forgot to mention - changing the samplerate to anything other than 96000 isn't feasible - I believe the SDR requires it, and if I change to 48000, Quisk freezes up.

Jim

> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Iv said it before .. don't use the (hw:X,X) listings ... just the ones that you see listed under pulseaudio on the soundtab ---
>
> "Loopback Analog Stereo" is one that i see in your screen shot ....
>
> and reduce the samplerate's to 48000 till you get all working ...
>
> On Mon, May 16, 2016 at 1:49 PM, w6jhb@... <mailto:w6jhb@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Sid, Michael, and Others -
>
>
> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie, downloaded and compiled the most recent Quisk (4.0.5) and tried a few different output devices in WSJTX with various input (capture) devices in Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol while WSJTX was doing its transmit, but got no hints there. Getting close to giving up and simply using WSJT-X as a receive-only application on the RPi.
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> In case you want to help pursue this a bit further, I've taken several screen shots of settings in Quisk and WSJT-X and posted them in a photos album in the group. If you see anything that jumps out and might help to try, please let me know.
>
> Tnx, Jim / W6JHB
>
>
>
>

2270. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 17:42:53 UTC
From: Ron
Topic: 2226 Message: 2270

Yes,

The rig is internally set to 96000. Setting the host application to
anything other than 96000 will not work.

73,
Ron / W4MMP

On 5/17/2016 13:40, James Bennett w6jhb@... [n2adr-sdr] wrote:
>
> Oh - forgot to mention - changing the samplerate to anything other
> than 96000 isn't feasible - I believe the SDR requires it, and if I
> change to 48000, Quisk freezes up.
>
>
> Jim
>
>
>> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin
>> kc7noa@... <mailto:kc7noa@...> [n2adr-sdr]
>> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>>
>> Iv said it before .. don't use the (hw:X,X) listings ... just the
>> ones that you see listed under pulseaudio on the soundtab ---
>>
>> "Loopback Analog Stereo" is one that i see in your screen shot ....
>>
>> and reduce the samplerate's to 48000 till you get all working ...
>>
>> On Mon, May 16, 2016 at 1:49 PM,w6jhb@...
>> <mailto:w6jhb@...>[n2adr-sdr]<n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>>wrote:
>>
>> Sid, Michael, and Others -
>>
>>
>> Well, I've completely updated/upgraded the Raspberry Pi Raspian
>> Jessie, downloaded and compiled the most recent Quisk (4.0.5) and
>> tried a few different output devices in WSJTX with various input
>> (capture) devices in Quisk. I get either no transmit, or a hung
>> up Quisk I looked in pavucontrol while WSJTX was doing its
>> transmit, but got no hints there. Getting close to giving up and
>> simply using WSJT-X as a receive-only application on the RPi.
>>
>> In case you want to help pursue this a bit further, I've taken

>> several screen shots of settings in Quisk and WSJT-X and posted
>> them in a photos album in the group. If you see anything that
>> jumps out and might help to try, please let me know.
>>
>> Tnx, Jim / W6JHB
>>
>>
>>
>
>

2271. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 18:32:15 UTC
From: Michael Durkin
Topic: 2226 Message: 2271

If the quisk sample rate is set to 48k, then check the default linux sample rate and specify a default sample rate of 48k@16le (or s16be if on a 64bit system)

If you can't find what conf file has that I can get it off of my sdr .... I just don't remember where it is located off hand ... I'm trying to do college school work.
On May 17, 2016 10:39 AM, "James Bennett w6jhb@me.com [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Well, that got it - sort of.

I changed the input and output in Quisk and WSJTX to use that Pulse thing. The good news: the WSJTX audio output is now being routed to Quisk and then gets sent to the OmniaSDR where it is converted to RF and out my coax. The bad news: the latency is so bad that nothing decodes on the WSJTX main window. I can see traces being printed, but no decodes, probably due to the latency. Listening to it on the headphones I can hear the audio stuttering. So the bottom line is this isn’t a workable solution. The Raspberry Pi CPU utilization is less than 60 percent, so the processor is certainly not overloaded. Any idea how to resolve this ugly choppy audio? It ain’t working like this!!! :-)

73, Jim

On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Iv said it before .. don't use the (hw:X,X) listings ... just the ones that you see listed under pulseaudio on the soundtab ---

"Loopback Analog Stereo" is one that i see in your screen shot ....

and reduce the samplerate's to 48000 till you get all working ...

On Mon, May 16, 2016 at 1:49 PM, w6jhb@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Sid, Michael, and Others -
>
> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie,
> downloaded and compiled the most recent Quisk (4.0.5) and tried a few
> different output devices in WSJTX with various input (capture) devices in
> Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol
> while WSJTX was doing its transmit, but got no hints there. Getting close

> to giving up and simply using WSJT-X as a receive-only application on the
> RPi.
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> In case you want to help pursue this a bit further, I've taken several
> screen shots of settings in Quisk and WSJT-X and posted them in a photos
> album in the group. If you see anything that jumps out and might help to
> try, please let me know.
>
> Tnx, Jim / W6JHB
>
>

2272. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 20:41:06 UTC
From: Michael Durkin
Topic: 2226 Message: 2272

i usally

sudo gedit /etc/pulse/daemon.conf

down at the verry bottom un rem (remove the #) from

default-sample-format = make this s16le for now --increase untill studder
is back then reduce
default-sample-rate = 48000

On Tue, May 17, 2016 at 11:32 AM, Michael Durkin <kc7noa@...> wrote:

> If the quisk sample rate is set to 48k, then check the default linux
> sample rate and specify a default sample rate of 48k@16le (or s16be if on
> a 64bit system)
>
> If you can't find what conf file has that I can get it off of my sdr ....
> I just don't remember where it is located off hand ... I'm trying to do
> college school work.
> On May 17, 2016 10:39 AM, "James Bennett w6jhb@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>
>
> Well, that got it - sort of.
>
> I changed the input and output in Quisk and WSJTX to use that Pulse thing.
> The good news: the WSJTX audio output is now being routed to Quisk and then
> gets sent to the OmniaSDR where it is converted to RF and out my coax. The
> bad news: the latency is so bad that nothing decodes on the WSJTX main
> window. I can see traces being printed, but no decodes, probably due to the
> latency. Listening to it on the headphones I can hear the audio stuttering.
> So the bottom line is this isn’t a workable solution. The Raspberry Pi CPU
> utilization is less than 60 percent, so the processor is certainly not
> overloaded. Any idea how to resolve this ugly choppy audio? It ain’t
> working like this!!! :-)
>
> 73, Jim
>
>
> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin
> kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
>
> Iv said it before .. don't use the (hw:X,X) listings ... just the ones
> that you see listed under pulseaudio on the soundtab ---

>
> "Loopback Analog Stereo" is one that i see in your screen shot ....
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> On Mon, May 16, 2016 at 1:49 PM, w6jhb@... [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> Sid, Michael, and Others -
>>
>> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie,
>> downloaded and compiled the most recent Quisk (4.0.5) and tried a few
>> different output devices in WSJTX with various input (capture) devices in
>> Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol
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>> In case you want to help pursue this a bit further, I've taken several
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>> album in the group. If you see anything that jumps out and might help to
>> try, please let me know.
>>
>> Tnx, Jim / W6JHB
>>
>>
>
>
>
>
>

2273. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 22:20:48 UTC
From: Eric Thornton
Topic: 2226 Message: 2273

Pulse right now will only do 16 bit or float. Other sample depths get converted by pulse/sox on the fly which would kill the cpu on rpi. 16 is a safe bet. Native 24 is in my to do list.

Jim, it sounds like you're playback buffer needs to be increased. I have gone as high as 500ms over the network with no missed wspr decodes. For local, 100ms should be a good compromise. Let me know what they're set at. It sounds like you're close.

Eric
WW4ET
On May 17, 2016 4:41 PM, "Michael Durkin kc7noa@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
>
> i usally
>
> sudo gedit /etc/pulse/daemon.conf
>
> down at the verry bottom un rem (remove the #) from
>
> default-sample-format = make this s16le for now --increase untill studder
> is back then reduce
> default-sample-rate = 48000
>
> On Tue, May 17, 2016 at 11:32 AM, Michael Durkin <kc7noa@...> wrote:
>
>> If the quisk sample rate is set to 48k, then check the default linux
>> sample rate and specify a default sample rate of 48k@16le (or s16be if
>> on a 64bit system)
>>
>> If you can't find what conf file has that I can get it off of my sdr ....
>> I just don't remember where it is located off hand ... I'm trying to do
>> college school work.
>> On May 17, 2016 10:39 AM, "James Bennett w6jhb@... [n2adr-sdr]" <
>> n2adr-sdr@yahoogroups.com> wrote:
>>
>>
>>
>> Well, that got it - sort of.
>>
>> I changed the input and output in Quisk and WSJTX to use that Pulse
>> thing. The good news: the WSJTX audio output is now being routed to Quisk
>> and then gets sent to the OmniaSDR where it is converted to RF and out my

>> coax. The bad news: the latency is so bad that nothing decodes on the WSJTX
>> main window. I can see traces being printed, but no decodes, probably due
>> to the latency. Listening to it on the headphones I can hear the audio
>> stuttering. So the bottom line is this isn’t a workable solution. The
>> Raspberry Pi CPU utilization is less than 60 percent, so the processor is
>> certainly not overloaded. Any idea how to resolve this ugly choppy audio?
>> It ain’t working like this!!! :-)
>>
>> 73, Jim
>>
>>
>> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin
>> kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>
>>
>> Iv said it before .. don't use the (hw:X,X) listings ... just the ones
>> that you see listed under pulseaudio on the soundtab ---
>>
>> "Loopback Analog Stereo" is one that i see in your screen shot ....
>>
>> and reduce the samplerate's to 48000 till you get all working ...
>>
>> On Mon, May 16, 2016 at 1:49 PM, w6jhb@... [n2adr-sdr] <
>> n2adr-sdr@yahoogroups.com> wrote:
>>
>>>
>>>
>>> Sid, Michael, and Others -
>>>
>>> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie,
>>> downloaded and compiled the most recent Quisk (4.0.5) and tried a few
>>> different output devices in WSJTX with various input (capture) devices in
>>> Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol
>>> while WSJTX was doing its transmit, but got no hints there. Getting close
>>> to giving up and simply using WSJT-X as a receive-only application on the
>>> RPi.
>>>
>>> In case you want to help pursue this a bit further, I've taken several
>>> screen shots of settings in Quisk and WSJT-X and posted them in a photos
>>> album in the group. If you see anything that jumps out and might help to
>>> try, please let me know.
>>>
>>> Tnx, Jim / W6JHB
>>>
>>>
>>
>>
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>
>

2274. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-17 22:30:27 UTC
From: Michael Durkin
Topic: 2226 Message: 2274

24bit would be awesome .... I use a Via1630a usb sound card and it is
stated at capable of 24bit sample depth ....
On May 17, 2016 3:20 PM, "Eric Thornton ewthornton@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Pulse right now will only do 16 bit or float. Other sample depths get
> converted by pulse/sox on the fly which would kill the cpu on rpi. 16 is a
> safe bet. Native 24 is in my to do list.
>
> Jim, it sounds like you're playback buffer needs to be increased. I have
> gone as high as 500ms over the network with no missed wspr decodes. For
> local, 100ms should be a good compromise. Let me know what they're set at.
> It sounds like you're close.
>
> Eric
> WW4ET
> On May 17, 2016 4:41 PM, "Michael Durkin kc7noa@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>>
>> i usally
>>
>> sudo gedit /etc/pulse/daemon.conf
>>
>> down at the verry bottom un rem (remove the #) from
>>
>> default-sample-format = make this s16le for now --increase untill studder
>> is back then reduce
>> default-sample-rate = 48000
>>
>> On Tue, May 17, 2016 at 11:32 AM, Michael Durkin <kc7noa@...>
>> wrote:
>>
>>> If the quisk sample rate is set to 48k, then check the default linux
>>> sample rate and specify a default sample rate of 48k@16le (or s16be if
>>> on a 64bit system)
>>>
>>> If you can't find what conf file has that I can get it off of my sdr
>>> .... I just don't remember where it is located off hand ... I'm trying to
>>> do college school work.
>>> On May 17, 2016 10:39 AM, "James Bennett w6jhb@... [n2adr-sdr]" <

>>> n2adr-sdr@yahoogroups.com> wrote:
>>>
>>>
>>>
>>> Well, that got it - sort of.
>>>
>>> I changed the input and output in Quisk and WSJTX to use that Pulse
>>> thing. The good news: the WSJTX audio output is now being routed to Quisk
>>> and then gets sent to the OmniaSDR where it is converted to RF and out my
>>> coax. The bad news: the latency is so bad that nothing decodes on the WSJTX
>>> main window. I can see traces being printed, but no decodes, probably due
>>> to the latency. Listening to it on the headphones I can hear the audio
>>> stuttering. So the bottom line is this isn't a workable solution. The
>>> Raspberry Pi CPU utilization is less than 60 percent, so the processor is
>>> certainly not overloaded. Any idea how to resolve this ugly choppy audio?
>>> It ain't working like this!!! :-)
>>>
>>> 73, Jim
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>>>
>>> On Monday, May 16, 2016, at Monday, 7:09 PM, Michael Durkin
>>> kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>>
>>> Iv said it before .. don't use the (hw:X,X) listings ... just the ones
>>> that you see listed under pulseaudio on the soundtab ---
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>>> "Loopback Analog Stereo" is one that i see in your screen shot ....
>>>
>>> and reduce the samplerate's to 48000 till you get all working ...
>>>
>>> On Mon, May 16, 2016 at 1:49 PM, w6jhb@...m [n2adr-sdr] <
>>> n2adr-sdr@yahoogroups.com> wrote:
>>>
>>>>
>>>>
>>>> Sid, Michael, and Others -
>>>>
>>>> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie,
>>>> downloaded and compiled the most recent Quisk (4.0.5) and tried a few
>>>> different output devices in WSJTX with various input (capture) devices in
>>>> Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol
>>>> while WSJTX was doing its transmit, but got no hints there. Getting close
>>>> to giving up and simply using WSJT-X as a receive-only application on the
>>>> RPi.
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>>>> In case you want to help pursue this a bit further, I've taken several
>>>> screen shots of settings in Quisk and WSJT-X and posted them in a photos
>>>> album in the group. If you see anything that jumps out and might help to
>>>> try, please let me know.

>>>>
>>>> Tnx, Jim / W6JHB
>>>>
>>>>
>>>
>>>
>>>
>>
>

2275. Re: [n2adr-sdr] Quisk / ADIF Output?

Yahoo group: n2adr-sdr
Date: 2016-05-19 03:03:53 UTC
From: James Bennett
Topic: 2226 Message: 2275

Eric, Michael, and other interested parties,

I think, after weeks of head scratching and frustration, I have finally gotten the combination of Quisk and WSJT-X to work properly on my Raspberry Pi 3 with the OmniaSDR rig. Interestingly, the thrust of this thread has morphed considerably from what it started out as. Gee, what a surprise, eh?

This week's "experimentation" involved changing the names of the digital input and output in Quisk and WSJT-X to match the Pulse names, as Michael had urged. That resulted in being able to transmit in WSJT-X but some introduced really ugly latency. So bad that no decodes were happening. Eric suggested some changes to buffering. So, I played around with two settings in the "radio" panels, rather than in my quisk_conf.py file. Here is what I wound up with that allows good decoding with a moderate amount of latency/audio skips:

Play latency = 150 msec
Hardware poll usec = 500

The radio has been running WSPR2 on 20 and 40 minutes for the past six hours, with transmit percentage at 20. Lots of decodes (receive and transmit) from all across the USA, and I fully expect to see a bunch of JA, BG, VK, and ZL spots on 40 meters during Friday morning gray line

Thanks for everyone's help in this process!

73, Jim Bennett / W6JHB
Folsom, CA

>
>> On May 17, 2016 3:20 PM, "Eric Thornton ewthornton@... [n2adr-sdr]"
<n2adr-sdr@yahoogroups.com> wrote:
>>
>> Pulse right now will only do 16 bit or float. Other sample depths get converted by pulse/sox on the fly which would kill the cpu on rpi. 16 is a safe bet. Native 24 is in my to do list.
>>
>> Jim, it sounds like you're playback buffer needs to be increased. I have gone as high as 500ms over the network with no missed wspr decodes. For local, 100ms should be a good compromise. Let me know what they're set at. It sounds like you're close.
>>
>> Eric
>> WW4ET
>>
>>>>>>
>>>>>> Well, I've completely updated/upgraded the Raspberry Pi Raspian Jessie, downloaded and compiled the most recent Quisk (4.0.5) and tried a few different output devices in WSJTX with various input (capture) devices in Quisk. I get either no transmit, or a hung up Quisk I looked in pavucontrol while WSJTX was doing its transmit, but got no hints there.

Getting close to giving up and simply using WSJT-X as a receive-only application on the RPi.
>>>>>>
>>>>>> In case you want to help pursue this a bit further, I've taken several screen shots of settings in Quisk and WSJT-X and posted them in a photos album in the group. If you see anything that jumps out and might help to try, please let me know.
>>>>>>
>>>>>> Tnx, Jim / W6JHB
>>>>>>
>>>>>
>>>>>
>>>>
>>>
>>
>
>

2276. Using new FreeDV Modes in Quisk ?

Yahoo group: n2adr-sdr
Date: 2016-05-23 07:53:45 UTC
From: dh5ym@...
Topic: 2276 Message: 2276

Hi all,

recently the new modes 2400A and 2400B were introduced for VHF communication.
I followed the Readme in the Freedvpkg directory of Quisk and recompiled. Now i can select the 2 reserved mode buttons and if i TX in Loopback mode (full duplex, FDV) i see a spectrum that looks somehow like what i would expect.
Different than for 700/700B and the 1600 mode i do not get decoded audio in the new two modes via the full duplex mode. I wonder if something else needs to be changed too ? Maybe someone can give some hint if i am doing things correct or wrong.

regards
Mario, DH5YM

2277. Re: Using new FreeDV Modes in Quisk ?

Yahoo group: n2adr-sdr
Date: 2016-05-25 08:45:17 UTC
From: dh5ym@...
Topic: 2276 Message: 2277

Yesterday i had another try and on the second view the TX signal seems also odd in the new modes. The spectrum looks rather noisy and there is really no decode (also not text message) in FDV mode.
I assume i miss something and further changes to the Quisk code are required to get it working.

2278. Quisk, Afedri SDR-Net and Raspberry Pi - audio problem

Yahoo group: n2adr-sdr
Date: 2016-06-01 22:23:05 UTC
From: rwklein@...
Topic: 2278 Message: 2278
Attachments: 2 described; binary payloads are missing from this source WARC

I've compiled Quisk 4.0.5 for my Raspberry Pi 3, and I'm using the default config for the AFEDRI SDR-Net. I've got it running, but have very garbled sounding audio. The messages from Quisk indicate some kind of problem with the audio, and the Status screen indicates lots of audio errors.

I'm a bit of a newbie at this...any idea how to fix this? I've verified that audio works on the Pi 3 itself.

I've attached snapshots of the Status and Sound tabs from Quisk. The output from Quisk is shown below.

Thanks,

Roger N5RWK

```
pi@raspberrypi3:~/quisk $ ./quisk.py
Sample Rate 740740
AFEDRI-SDR
UDP socket receive buffer size 327680
address 192.168.0.1 port 50000
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.front.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM front
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround21
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround21
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround40.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
```

```
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround40
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround41
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround50
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround51.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround51
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.surround71.0:CARD=0'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround71
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM iec958
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
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ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer returned error: No
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ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or directory
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM spdif
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
```

```
ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect: Connection refused

ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect: Connection refused

Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Expression 'parameters->channelCount <= maxChans' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
Expression 'ValidateParameters( inputParameters, hostApi, StreamDirection_In )' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1838
Expression 'parameters->channelCount <= maxChans' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
Expression 'ValidateParameters( inputParameters, hostApi, StreamDirection_In )' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1838
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'src/hostapi/alsa/pa_linux_alsa.c', line: 1838
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Expression 'parameters->channelCount <= maxChans' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
Expression 'ValidateParameters( inputParameters, hostApi, StreamDirection_In )' failed in
'src/hostapi/alsa/pa_linux_alsa.c', line: 1838

(these last 4 lines repeat indefinitely)
```

2279. Re: [n2adr-sdr] Quisk, Afedri SDR-Net and Raspberry Pi - audio problem [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2016-06-01 22:31:17 UTC
From: Michael Durkin
Topic: 2278 Message: 2279

Most all that start with ALSA can be ignored ... they are produced when Alsa is being probed. ...

You need to make a new radio file rather than use the default ... as I understand it.
On Jun 1, 2016 3:23 PM, "rwklein@katyweb.net [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I've compiled Quisk 4.0.5 for my Raspberry Pi 3, and I'm using the default
> config for the AFEDRI SDR-Net. I've got it running, but have very garbled
> sounding audio. The messages from Quisk indicate some kind of problem with
> the audio, and the Status screen indicates lots of audio errors.
>
>
> I'm a bit of a newbie at this...any idea how to fix this? I've verified
> that audio works on the Pi 3 itself.
>
>
> I've attached snapshots of the Status and Sound tabs from Quisk. The
> output from Quisk is shown below.
>
>
> Thanks,
>
>
> Roger N5RWK
>
>
> pi@raspberrypi3:~/quisk $ ./quisk.py
>
> Sample Rate 740740
>
> AFEDRI-SDR
>
> UDP socket receive buffer size 327680
>
> address 192.168.0.1 port 50000
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.front.0:CARD=0'
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>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround71.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
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>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
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>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM spdif
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
>
> ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect:
> Connection refused
>
>
> ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect:
> Connection refused
>
>
> Cannot connect to server socket err = No such file or directory
>
> Cannot connect to server request channel
>
> jack server is not running or cannot be started
>

> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
>
> (these last 4 lines repeat indefinitely)
>
>
>
>

2280. Re: [n2adr-sdr] Quisk, Afedri SDR-Net and Raspberry Pi - audio problem [2 Attachments]

Yahoo group: n2adr-sdr
Date: 2016-06-01 22:34:55 UTC
From: Michael Durkin
Topic: 2278 Message: 2280

After the new radio of type alfredi is made ... reduce the sample rate to 1/4 of what you have ....

Have you changed the default pulse file to reflect the size and bit depth you want? .... I always start with 48khz and work my way up in size / depth in steps till things quit working ....
On Jun 1, 2016 3:23 PM, "rwklein@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I've compiled Quisk 4.0.5 for my Raspberry Pi 3, and I'm using the default
> config for the AFEDRI SDR-Net. I've got it running, but have very garbled
> sounding audio. The messages from Quisk indicate some kind of problem with
> the audio, and the Status screen indicates lots of audio errors.
>
>
> I'm a bit of a newbie at this...any idea how to fix this? I've verified
> that audio works on the Pi 3 itself.
>
>
> I've attached snapshots of the Status and Sound tabs from Quisk. The
> output from Quisk is shown below.
>
>
> Thanks,
>
>
> Roger N5RWK
>
>
> pi@raspberrypi3:~/quisk $ ./quisk.py
>
> Sample Rate 740740
>
> AFEDRI-SDR
>
> UDP socket receive buffer size 327680
>
> address 192.168.0.1 port 50000
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.front.0:CARD=0'
>

> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM front
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround21
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround21
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround40.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround40
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'

```
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround41
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround50
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround51.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround51
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.surround71.0:CARD=0'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM surround71
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
```

```
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM iec958
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM spdif
>
> ALSA lib confmisc.c:1286:(snd_func_refer) Unable to find definition
> 'cards.bcm2835.pcm.iec958.0:CARD=0,AES0=4,AES1=130,AES2=0,AES3=2'
>
> ALSA lib conf.c:4259:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4738:(snd_config_expand) Evaluate error: No such file or
> directory
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM spdif
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
>
> ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
>
> ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect:
> Connection refused
>
>
> ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect:
> Connection refused
>
>
> Cannot connect to server socket err = No such file or directory
>
> Cannot connect to server request channel
>
> jack server is not running or cannot be started
```

>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
> Expression 'parameters->channelCount <= maxChans' failed in
> 'src/hostapi/alsa/pa_linux_alsa.c', line: 1514
>
> Expression 'ValidateParameters(inputParameters, hostApi,
> StreamDirection_In)' failed in 'src/hostapi/alsa/pa_linux_alsa.c', line:
> 1838
>
>
> (these last 4 lines repeat indefinitely)
>
>
>
>

2281. Re: Quisk, Afedri SDR-Net and Raspberry Pi - audio problem

Yahoo group: n2adr-sdr
Date: 2016-06-02 01:15:40 UTC
From: rwklein@...
Topic: 2278 Message: 2281

Michael,
Appreciate the info! Being new to this, I'm not quite sure what you mean by creating a new radio file...what I did was create a .quisk_conf.py file in my /home/pi directory using the generic configuration supplied on the afedri-sdr.com site. Quisk picks this file up when it starts.

I did some playing around, and discovered that the audio device specified in the generic configuration isn't right for the Pi3. Surprised I got any sound at all, considering. After perusing the docs I figured out the right sound device, and Quisk is working perfectly now with the Afedri - no audio errors show up (other than at the beginning when sound is being probed) and the sound is quality is great.

If anyone runs into this, here's the functioning .quisk_conf.py file for the Raspberry Pi 3. The only change I made from the generic configuration from the afedri-sdr.com website is the name_of_sound_play item - I changed it from "portaudiodefault"#hw:0,0" to "alsa:bcm2835"#hw:0,0".

Now to install WSJT-X and see if I can pick up some WSPR beacons :-)

Regards,

Roger N5RWK

```
# .quisk_conf.py file for AFEDRI SDR-Net
#
from afedrinet import quisk_hardware # Use different hardware file
use_rx_udp = 1 # Get ADC samples from UDP
rx_udp_ip = "192.168.0.1" # Sample source IP address
rx_udp_port = 50000 # Sample source UDP port
rx_udp_clock = 80000000 # ADC sample rate in Hertz
#rx_udp_decimation = 8 * 8 * 8 # Decimation clock to UDP sample rate
#sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5) # Don't change
data_poll_usec = 10000
sample_rate = 740740 # ADC hardware sample rate in Hertz
playback_rate = 48000 # Radio sound play rate
name_of_sound_capt = ""#AFEDRI-SDR-Net Audio" # Soundcard capture device
name_of_sound_play = "alsa:bcm2835"#hw:0,0" # Use same device for playback
#name_of_sound_play = "Line 1"#Virtual Audio Cable" # Use same device for playback
latency_millisecs = 50 # latency time in milliseconds
display_fraction = 0.92 # edges of full bandwidth are not valid
default_rf_gain = 14
# Select the default screen when Quisk starts:
default_screen = 'WFall'
```

2282. Re: replay recorded IQ-Samples into quisk

Yahoo group: n2adr-sdr
Date: 2016-06-02 03:57:57 UTC
From: n7ihq.jim@...
Topic: 1730 Message: 2282

I wanted to use a IQ file input for Quisk also. The following approach worked for me:

Load the ALSA loopback module:
Edit the /etc/rc.local file, add modprobe snd-sloop
In the Quisk radio sound configuration:

I/Q Sample Input: hw:Loopback,1
In a terminal window execute:
aplay -D plughw:Loopback,0 <file.wav>

73,

Jim
N7IHQ

2283. SNDP IP address allocation problem

Yahoo group: n2adr-sdr
Date: 2016-06-06 09:10:41 UTC
From: dlrn36@...
Topic: 2283 Message: 2283

Hi all,
I've had a HIQSDR for a few years now and I have loaded James's firmware version 1.4. To date using the stock IP address was OK but I need to connect to rest of my home network and tried the SNDP to allocate a new IP to the radio.

Is it correct to state the the SNDP process will only work on the same subnet, ie the radio is programmed with the default of 192.168.2.196 and so SNDP will only be able to allocate out a 192.168.2.xxx subnet address ?

I ask as this appears to be the way it works. I was hoping to change my ip address from 192.168.2.196 to a 10.0.0.xxx address without having to reprogram the firmware.

However all attempts fail with the discover request discover response handshake repeating over and over and the software doesn't progress to the discover set message.

I modified the quisk_conf.py parameters to allocate out a 10.0.0.15 address with the following:
rx_udp_ip = "`10.0.0.15"
rx_udp_ip_netmask = '255.255.255.0'
rx_udp_port = 0xBC77

I didn't need to do anything else did I? Do I need to change the netmask do achieve what I'm after? Or is my statement above correct, it only allocates within the same subnet?

Thanks
Greg

2284. Help with CW transmit & CAT on Quisk with Win7 PC

Yahoo group: n2adr-sdr
Date: 2016-06-06 19:39:50 UTC
From: bob6wire@...
Topic: 2284 Message: 2284

I'd like some help in getting my Peaberry SDR (equivalent to the Omnia SDR) to transmit CW using the Quisk software package on a Windows 7 PC.

I've been able to get receive working well, the images are nulled and the frequency is accurate and tunable from within Quisk. If I select the FM mode and click on PTT in Quisk; I can then send CW (transmitter RF output - no sidetone obviously) with a key plugged into the Key jack on the radio. If I enable sidetone, I can generate a tone when in CW mode while PTT is selected but I can't generate any CW keying of the sidetone or transmit RF output while in CW mode.

I can send crude CW with HDSDR software but I'm unable to find any other software that I can successfully send CW with. I'm sure this is a lack of understanding on my part.

A second difficulty I'm having is setting up CAT with Quisk. The only references I can find are to TCP/IP port numbers while the Logger32 logging software I hope to use outputs CAT to a serial (COM) port.

My attempts to study the Omnia files, firmware and Quisk manuals and instructions have not revealed my mistake.

If someone can provide specific information on what configuration parameters are required, I would really appreciate it.

Bob, AF5Z

2285. wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-09 09:04:04 UTC
From: gvjury@...
Topic: 2285 Message: 2285

Hi Group,

I have an old Dell E1505 laptop which I like to use for a remote SDR computer. Although very old it easily supports Quisk and HiQSDR over ethernet but not really well over wifi. I think the problem is that 802.11g is simply not enough bandwidth and causes the radio to run perfectly for about 2 or 3 minutes then it seems to scramble the audio for 10 or so seconds and again run for 2 or three minutes.

I have set the ...
play latency to 300 mSec
Graph refresh rate is set down to 3
FFT size multiplier is set to 0
Radio and mic are run at 48000

Are there any buffers I can increase the size of or any other suggestions? It is winter here now and my lounge is a lot warmer than the shack. I guess I could string an ethernet cable into the lounge but that is the last of the last resorts.

73, Graeme ZL2APV

2286. Re: wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-09 11:28:56 UTC
From: dh5ym@...
Topic: 2285 Message: 2286

Hi Graeme,

300ms latency should be more than sufficiend. I usually run my HiQSDR via WLAN with about 150ms.
Could it be that you have some other trouble with the WLAN ? Maybe a interference every 2 or 3 minutes or some data loss here and then ? I would use a ping in parallel in order to check for problems with the network.

regards
Mario

2287. Re: wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-09 12:05:36 UTC
From: gvjury@...
Topic: 2285 Message: 2287

Hi Mario,

Great to hear from you and your very good advice.I will try ping in the morning (nearly midnight now) with an ethernet connection and then compare it with the wifi. I have had 2 different wifi routers with the same result so I don't think it is the router itself but I will start from scratch and suspect everything.

Danke sehr,

Graeme

2288. Re: wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-10 09:19:27 UTC
From: gvjury@...
Topic: 2285 Message: 2288

Unfortunately I didn't get the time I hoped today to look at the problem but did come across some interesting things.

To access 192.168.2.196 across my subnets I use a fixed IP address and set a netmask of 255.255.252.0 which allowed me to see the HiQSDR board. Today I tried to use "sudo route add 192.168.002.196 dev wlan0" and seemed to have fewer dropouts this way but still some. Another issue is that the IP address did not stay in the table through a reboot and has to be loaded each time. I sure would like to know if there is a way to make it sticky.

Using pulse audio rather than alsa also gave a better result which surprised me

ping using the ethernet was better
rtt min/avg/max/mdev = 0.080/0.099/0.143/0.026 ms

while wlan0 gave
rtt min/avg/max/mdev = 0.536/1.593/70.518/5.401 ms

Will get back to the problem in a couple of days.
73, Graeme

2289. Re: [n2adr-sdr] Re: wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-11 23:53:10 UTC
From: Eric Thornton
Topic: 2285 Message: 2289

Graeme,

I stream 96khz 16 bit stereo IQ over my wifi all the time from my soft rock SDR. It works great with pulseaudio, but I have no experience with the Hermes boards and their UDP protocol.

My results are better with 2.4ghz vs 5ghz. The most important thing is to have consistent ping times... If every 10th ping is 100ms, then you're going to have issues. If you're seeing inconsistent ping times, then start trying to figure out why. Look for other devices on your network, or look if you're using a channel that may overlap with a neighbor of yours. Some wifi cards will give a SNR reading if you look hard enough.

The Quisk pulseaudio backend will silently discard any samples that "overfill" the buffer. I found this to happen frequently over my wifi connection and resulted in latency issues. It also doesn't start playback until the buffer is full. This gave me good results but I haven't spent much time looking at the alsa code to know why it might be performing worse.

Eric
WW4ET

On Fri, Jun 10, 2016 at 5:19 AM, gvjury@gmail.com [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Unfortunately I didn't get the time I hoped today to look at the problem
> but did come across some interesting things.
>
> To access 192.168.2.196 across my subnets I use a fixed IP address and set
> a netmask of 255.255.252.0 which allowed me to see the HiQSDR board. Today
> I tried to use "sudo route add 192.168.002.196 dev wlan0" and seemed to
> have fewer dropouts this way but still some. Another issue is that the IP
> address did not stay in the table through a reboot and has to be loaded
> each time. I sure would like to know if there is a way to make it sticky.
>
> Using pulse audio rather than alsa also gave a better result which
> surprised me
>
> ping using the ethernet was better
> rtt min/avg/max/mdev = 0.080/0.099/0.143/0.026 ms
>
> while wlan0 gave
> rtt min/avg/max/mdev = 0.536/1.593/70.518/5.401 ms
>

> Will get back to the problem in a couple of days.
> 73, Graeme
>
>

2290. Re: [n2adr-sdr] Re: wifi bandwidth and Quisk/HiQSDR

Yahoo group: n2adr-sdr
Date: 2016-06-13 08:33:16 UTC
From: gvjury@...
Topic: 2285 Message: 2290

Hi Eric,

Thanks for your response and in particular the information that it can work for you at 96 KHz 16 bit. My modem won't allow separate 2.4 GHz settings and runs in auto mode where it switches depending on its receiving from 802.11 b/g/n. I can manually lock it to 802.11g where it sets to 20 MHz bandwidth at 2.5 GHz but there is no performance difference. I live out in the country and have virtually no neighbours to conflict with my channel selection although I have tried changing to a couple of different ones with no change.

My ping times are not very consistent although unfortunately the time from HiQSDR is truncated so I can't see if audio dropout coincides with an inconsistent ping time and all I can get is the summary when I exit which shows min/avg/max/mdev. On ethernet connection it is quite consistent with a deviation of around 0.01 mSec.

Off topic I still get a crash on Quisk with pulse audio but have not had a good chance to look deeper into it. I need to get more familiar with running debug as my attempts would not allow Quisk to run so I am obviously doing something wrong.

73, Graeme ZL2APV

2291. Quisk 4.1.1 June 2016

Yahoo group: n2adr-sdr
Date: 2016-06-13 17:03:08 UTC
From: jahlstr@...
Topic: 2291 Message: 2291

Quisk can now display and tune multiple sub-receivers if your hardware has them. It currently works with the Hermes-Lite hardware. Push the Help button for documentation. You can tune sub-receivers to different bands and modes, and play audio from any of them.

You can select different color schemes from the Radio/Font configuration screen.

I added code to speed up the display of configuration pages when the Config button is pushed. I changed the VNA program shutdown messages.

For users of the HiQSDR, I added sample rates of 1536 and 1920 ksps. These are 16-bit samples, and require recent DL2STG firmware.

Jim

N2ADR

2292. HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-02 13:15:11 UTC
From: Mario Illgen
Topic: 2292 Message: 2292

Hi there,

I'm using a HiQSDR with preselector and MPPA 10 W amplifier. I'm puzzled about tx output power.

In QUISK I have configured 120 as maximum tx level. Depending on the slider for tx level I get the following values (15m band):

100% 13 watts
50% 12 watts
30% 12 watts
20% 11 watts
10% 6 watts
5% 2 watts
0% 1.5 watts

Is this a normal behaviour?? I'm measuring with a Diamond SX-600 (20W and 5W range) into a dummy load. The wattmeter is probably not the best but the tendency is interesting..

Thanks for any information..

73, Mario DL3LSM

2293. Re: HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-04 14:17:56 UTC
From: Mario Illgen
Topic: 2292 Message: 2293

Hi there,

to answer my own question: I probably operated the HiQSDR amplifier to hard with a max tx level of 120 resulting in a output power of 13 watts. The amp is specified with 10 watts. When I reduce the max tx level for an 100% output of 10 watts (which was a value of 30 for me) the percentages are looking much better.. :-)

As I've got the initial values from config file examples which I found on the internet I still wonder where the differences come from..

Thanks and 73
Mario, DL3LSM

2016-07-02 15:15 GMT+02:00 Mario Illgen <dl3lsm@...>:

> Hi there,
>
> I'm using a HiQSDR with preselector and MPPA 10 W amplifier. I'm puzzled
> about tx output power.
>
> In QUISK I have configured 120 as maximum tx level. Depending on the
> slider for tx level I get the following values (15m band):
>
> 100% 13 watts
> 50% 12 watts
> 30% 12 watts
> 20% 11 watts
> 10% 6 watts
> 5% 2 watts
> 0% 1.5 watts
>
> Is this a normal behaviour?? I'm measuring with a Diamond SX-600 (20W and
> 5W range) into a dummy load. The wattmeter is probably not the best but the
> tendency is interesting..
>
> Thanks for any information..
>
> 73, Mario DL3LSM
>
>

2294. Re: HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-05 07:29:29 UTC
From: dh5ym@...
Topic: 2292 Message: 2294

Hi Mario,

the 100% level you need to set depends on the modifications you applied to the board.
Did you look through the modifications of the PA documented on the HiQSDR webpage ?
30 appears a bit low to me. For what band is this value ?

regards
Mario

2295. Re: HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-05 07:46:53 UTC
From: Mario Illgen
Topic: 2292 Message: 2295

Hi Mario,

the value was for 15m.. Did not try the other bands so far..

I bought the HiQSDR used and have done no modifications myself. I had to send it back to Helmut at some point and asked to do all modifications. But judging from the low value it seems that the tx range is not modified. I have to check the other (lower) bands as well..

Thanks and 73
Mario, DL3LSM

Am Dienstag, 5. Juli 2016 schrieb dh5ym@... [n2adr-sdr] :

>
>
> Hi Mario,
>
> the 100% level you need to set depends on the modifications you applied to
> the board.
> Did you look through the modifications of the PA documented on the HiQSDR
> webpage ?
> 30 appears a bit low to me. For what band is this value ?
>
> regards
> Mario
>
>

--
Von Gmail Mobile gesendet

2296. Re: HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-07 14:51:06 UTC
From: Mario Illgen
Topic: 2292 Message: 2296

FWIW on 160m I have to use a tx level of 40 to get 10 w output..

73, Mario DL3LSM

2016-07-05 9:46 GMT+02:00 Mario Illgen <dl3lsm@...>:

> Hi Mario,
>
> the value was for 15m.. Did not try the other bands so far..
>
> I bought the HiQSDR used and have done no modifications myself. I had to
> send it back to Helmut at some point and asked to do all modifications. But
> judging from the low value it seems that the tx range is not modified. I
> have to check the other (lower) bands as well..
>
> Thanks and 73
> Mario, DL3LSM
>
>
> Am Dienstag, 5. Juli 2016 schrieb dh5ym@... [n2adr-sdr] :
>
>>
>>
>> Hi Mario,
>>
>> the 100% level you need to set depends on the modifications you applied
>> to the board.
>> Did you look through the modifications of the PA documented on the HiQSDR
>> webpage ?
>> 30 appears a bit low to me. For what band is this value ?
>>
>> regards
>> Mario
>>
>>
>
>
> --
> Von Gmail Mobile gesendet
>

2297. Re: HiQSDR tx power level

Yahoo group: n2adr-sdr
Date: 2016-07-08 17:40:27 UTC
From: dh5ym@...
Topic: 2292 Message: 2297

Hi Mario,

the values appear to be very low to me.
Thats what i have in my config (PA board without modification for flat output power response):

that was the original assembly of the TRX PCB:
#tx_level = {None:255,'160':170, '80':120, '40':105, '30':80, '20':48, '17':60, '15':60, '12':40, '10':110, '6':255, '60':90} # Adjust your power for each band

That was the setting after the modifications of the TRX PCB suggested on the HiQSDR page:
tx_level = {None:255,'160':170, '80':120, '40':105, '30':110, '20':70, '17':110, '15':110, '12':110, '10':140, '6':250, '60':90, 'TRV':230, 'TRV2':90} # Adjust your power for each band

So i wonder why you have 10W already with that low scaling.
Maybe someone else can share his settings too ? Mine are probably not the best since i assembled my boards on my own completely.

regards
Mario

2298. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-15 16:57:44 UTC
From: Sid Boyce
Topic: 1230 Message: 2298

Hi Guys,
This group has gone silent on the subject of HiQSDR for years it seems.

I built mine Standalone using the Raspberry Pi 1 model B as can be seen
on my QRZ.com page, upgraded to a Pi 2 and now an ODROID-C2.

I didn't connect the rotary encoder/switch control via Arduino Uno
modified for +3.3V operation as the later SBC's seem to offer an
all-in-one solution but I was not able to convert the Arduino code to C.

The HiQGPIO mentioned below never surfaced either.

Is there any HiQSDR development still taking place?
73 ... Sid.

On 19/07/14 19:32, hgoebkes@... [n2adr-sdr] wrote:
>
> Hi Sid, Hi Group,
>
>
> Stefan (DL2STG) has released his new Firmware (running with Quisk and
> RASDR) and
>
> his new Version of RASDR.
>
> Stefan is very busy so i try to explain some details here for a better
> understanding.
>
>
> This Versions supports external user GPIO via SPI. SPI Interface is
> included
>
> on the FPGA on pin 49 (spi_ss) pins 50 (spi_mosi) pin 51 (spi_miso)
> pin 52 (spi_clk)
>
> This pins are connected to X2 connector (Aux I/O) at HiQSDR main board
>
> Attention! Be carefull because all signals are 3.3V LVCMOS and
> directly connected to the FPGA!
>
> spi communication is done via 32 bit Frames (4Bytes)
>
> containing address, controls and 16 Bits of data. The spi clock rate
> is 250kbit/sec
>
> but usable up to 2 MBit/sec. Data changes are transferred

>
> via small UDP packets all 10mS not to overload the RasPi
>
> For a deeper look, consult Stefans AVR source or HiQGPIO "C" source code.
>
>
> This released version is not the end of the game. just the first "light".
>
>
> Currently it basically supports 3 Encoders (on high Resolution
> Encoder for frequency adjustments
>
> and two low-resolution encoders (16 Steps/rev) for menue selections and
>
> currently one analog value connected to a potentiometer to adjust AF.
>
> Stefan had implemented this for his own HiQSDR transceiver on a Arduino,
>
> (See his beautiful TRX on his WebSite!) but this interface is running
> also on the
>
> shortly available HiQGPIO Module (Microchip PIC18F76K22) wich supports
>
> 4 Encoders, 8 analog inputs (10 Bits Resolution), 8 digital
> switches/buttons
>
> and 8 digital outputs. This HiQGPIO fits directly behind the front
>
> of the HiQTRX-10 frontpanel and includes a small graphic LCD
>
> for some informational readouts and the VFO Encoder with knob
>
> (high resolution magnetic type, 128 Steps/rev)
>
> The HiQGPIO contains also the interface to the HiPPA to get working
> parameters
>
> from it via buffered I2C and a Serial Interface (RS-232)
>
>
> RASDR is a very versatile GUI for HiQSDR and is also capable to run
> stand alone
>
> on a raspberry pi with Linux supporting >= 7" grafical LCD connected
> to the HDMI
>
> and allows stand alone operation without PC, only a cheap USB
> soundstick must be
>
> connected to the RasPi.

>
> RASDR do his job very sucessfully on a RasPi, all Filters loaded
> dynamically
>
> in this mode, so the Raspi has no Problem to deal with Waterfall
> display, Sound & so on.
>
> RASDR also has selectable FFT sizes and 2 AutoNotches as well as
> frequency Memorys.
>
> All RX and TX Modes are supported, 2.Tone test signals are generated
> a.s.o.
>
> The new Firmware & RASDR is written from Stefan, DL2STG (he has really
> done a very fine Job!!)
>
> supports dynamically loadable filter coefficents to support RASDR on
> RASPI
>
> as well a full compatible mode for QUISK and other GUI's for HiQSDR.
>
> He also had written a Interface to the HPSDR Protocol who allows the
>
> HiQSDR to operate with PowerSDR too.
>
>
> I am using a RasPi with a 7" LCD now for some month and this
> combination works perfectly.
>
> I built this in a small desktop case and connect this "stand alone
> terminal" only via Ethernet
>
> and a 12Volt DC (POE should also be usable) to my HiQTRX-10 Station in
> a different
>
> room (sometimes via WLAN) to do QSOs.
>
>
> Schematics to connect the RASPI, LCD and further informations as well as
>
> schematics of the HiQGPIO and the Firmware for HiQGPIO are released
>
> shortly here in this Group.
>
>
> Sorry to be quiet for a prolonged time, but we had a lot of work to
> make new
>
> Modules and Software for HiQSDR available!
>

>
> Helmut, DB1CC
>
>
>
>
>
>

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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2299. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-15 21:55:52 UTC
From: gvjury@...
Topic: 1230 Message: 2299

Hi Sid,

Yes it is the same for me. I watch eagerly for a post to this group but it rarely happens. The regular progress with Quisk seems to be all that is happening. Contrasting this with the action on Hermes and other ddc/duc projects it certainly seems to have stalled. I wonder if with a large amount of the innovation coming from Germany that language may have been a barrier, I know how difficult it is for me trying to translate German documents with Google. I use HiQSDR as my main everyday rig and the VNA is one of the most important tools in my shack.

73, Graeme zl2apv

2300. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-15 23:05:35 UTC
From: Sid Boyce
Topic: 1230 Message: 2300

Hi Graeme,
The excuse offered back in July of 2014 was that they were very busy and promised to deliver a schematic for the Arduino.
That was the last I heard from them.
I eventually figured out from DL2STG's gpio.tgz.

I saw one very advanced transceiver being developed that used the 10W HiQ MPPA, can't remember the name or find the URL. It did say a prototype was built.

I forgot to ask the guys visiting the Friedrichshafen show this year to seek them out and report on what they are currently working on.
73 ... Sid.

On 15/07/16 22:55, gvjury@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Yes it is the same for me. I watch eagerly for a post to this group
> but it rarely happens. The regular progress with Quisk seems to be all
> that is happening. Contrasting this with the action on Hermes and
> other ddc/duc projects it certainly seems to have stalled. I wonder if
> with a large amount of the innovation coming from Germany that
> language may have been a barrier, I know how difficult it is for me
> trying to translate German documents with Google. I use HiQSDR as my
> main everyday rig and the VNA is one of the most important tools in my
> shack.
>
> 73, Graeme zl2apv
>
>

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Senior Staff Specialist, Cricket Coach
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2301. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-18 07:00:41 UTC
From: dh5ym@...
Topic: 1230 Message: 2301

Dear all,

Helmut and Stefan were very busy with the R2T2 web-based transceiver project of the DARC.
You can find some information here:
R2T2-Wiki http://r2t2.de/index.php?title=Hauptseite

http://r2t2.de/index.php?title=Hauptseite

R2T2-Wiki http://r2t2.de/index.php?title=Hauptseite Inhaltsverzeichnis 1 R2T2 - Multiuser SDR Transceiver with WEB-Interface 2 Die Schaltungsauslegung des R2T2 3 Hardware & Leiterplatte des R2T2 V2.01...

View on r2t2.de http://r2t2.de/index.php?title=Hauptseite
Preview by Yahoo

There is an Yahoo group for that as well.
Since the hardware has settled now and a few are qrv already Helmut has some time in the future maybe.
Stefan implemented an SPI slave into the FPGA image. I never tried that so far but he uses it with some controller to attach rotary encoders to his transceiver.

Personally i prefer to use my HiQSDR as a blackbox and just control it via PC. Therefore the SPI / GPIO has never been on the priority list before. I would like to use it for connecting external equipment like SWR and power meter for example.

regards
Mario, DH5YM

2302. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-18 07:40:15 UTC
From: Sid Boyce
Topic: 1230 Message: 2302

Thanks Mario,
The R2T2 is it - I couldn't remember the name so I could find it on my PC's and I couldn't find it via google searches.

I was very impressed by Stefan's standalone HiQSDR. I used his firmware and originally the Pi 1 model B but held off connecting the ATMega328 to support the encoders/switches as more recent SBC's are more than powerful enough to support the SDR app and GPIO.
SBC's with a small touchscreen, a few encoders and switches that frees me from the need of a desktop or laptop has great appeal.

I now use quisk in preference to rasdr as it supports Digital Voice (FreeDV).
73 ... Sid.

On 18/07/16 08:00, dh5ym@... [n2adr-sdr] wrote:
>
> Dear all,
>
> Helmut and Stefan were very busy with the R2T2 web-based transceiver
> project of the DARC.
> You can find some information here:
> R2T2-Wiki <http://r2t2.de/index.php?title=Hauptseite>
>
>
>
>
> image <http://r2t2.de/index.php?title=Hauptseite>
>
>
> R2T2-Wiki <http://r2t2.de/index.php?title=Hauptseite>
> Inhaltsverzeichnis 1 R2T2 - Multiuser SDR Transceiver with
> WEB-Interface 2 Die Schaltungsauslegung des R2T2 3 Hardware &
> Leiterplatte des R2T2 V2.01...
>
> View on r2t2.de <http://r2t2.de/index.php?title=Hauptseite>
>
> Preview by Yahoo
>
> There is an Yahoo group for that as well.
> Since the hardware has settled now and a few are qrv already Helmut
> has some time in the future maybe.
> Stefan implemented an SPI slave into the FPGA image. I never tried
> that so far but he uses it with some controller to attach rotary
> encoders to his transceiver.
>

> Personally i prefer to use my HiQSDR as a blackbox and just control it
> via PC. Therefore the SPI / GPIO has never been on the priority list
> before. I would like to use it for connecting external equipment like
> SWR and power meter for example.
>
> regards
> Mario, DH5YM
>

--
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2303. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-18 14:07:19 UTC
From: dh5ym@...
Topic: 1230 Message: 2303

Yes indeed. I also prefer Quisk to other SDR software since it has very nice features. I regulary use it in VHF/UHF/SHF contest.
About FreeDV: I still search for my first FreeDV QSO. Maybe we can arrange a sked somewhen.
Did you manage to get the 2400A/B mode working as well ? I put in the new library and it seems to be set by Quisk but i it seems there is no valid TX spectrum and i also do not get self-decode in loopback mode.

regards
Mario

2304. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-18 14:56:52 UTC
From: Michael Durkin
Topic: 1230 Message: 2304

I have only had one QSO with Freedv .... I think it was a ground wave from Spokane (my qth) to Seattle on 80m ..... I don't think many state side stationa are using Freedv ....
On Jul 18, 2016 7:07 AM, "dh5ym@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Yes indeed. I also prefer Quisk to other SDR software since it has very
> nice features. I regulary use it in VHF/UHF/SHF contest.
> About FreeDV: I still search for my first FreeDV QSO. Maybe we can arrange
> a sked somewhen. Did you manage to get the 2400A/B mode working as well ? I
> put in the new library and it seems to be set by Quisk but i it seems there
> is no valid TX spectrum and i also do not get self-decode in loopback mode.
>
> regards
> Mario
>
>

2305. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-18 15:13:07 UTC
From: Sid Boyce
Topic: 1230 Message: 2305

I listened for quite a while on 14.236 some months ago but never heard anything.
Now the bands are open I must do some more listening.

Graeme (ZL2APV) has made a few QSO's with VK using HiQSDR and quisk.
From what I gathered, he spent a lot more time listening.
73 ... Sid.

On 18/07/16 15:07, dh5ym@... [n2adr-sdr] wrote:
>
> Yes indeed. I also prefer Quisk to other SDR software since it has
> very nice features. I regulary use it in VHF/UHF/SHF contest.
> About FreeDV: I still search for my first FreeDV QSO. Maybe we can
> arrange a sked somewhen. Did you manage to get the 2400A/B mode
> working as well ? I put in the new library and it seems to be set by
> Quisk but i it seems there is no valid TX spectrum and i also do not
> get self-decode in loopback mode.
>
> regards
> Mario
>
>

--
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Senior Staff Specialist, Cricket Coach
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2306. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-24 08:32:55 UTC
From: pascal@...
Topic: 1230 Message: 2306

I had several qso in sept 2015 with AA3GZ on 20m freedv/quisk, but the quality was really poor, I heard PA0HWB on 80 m but could not get a report from him...Too poor activity to say if this mode has an interest.

2307. Re: [n2adr-sdr] Re: Your standalone HiQSDR details please

Yahoo group: n2adr-sdr
Date: 2016-07-24 19:54:22 UTC
From: Sid Boyce
Topic: 1230 Message: 2307

Worth keeping a watch on over time to see if matters improve.
Activity is bound to be low because it's not a standard mode on
commercial rigs and the number of owners of SM1000's are typically
experimenters and relatively few.

Besides, the guys seeking FM broadcast quality audio on HF would
instantly recoil in horror.
The previous wars of transistors vs. valves (tubes) and SSB vs. AM would
seem mild by comparison.
73 ... Sid.

On 24/07/16 09:32, pascal@... [n2adr-sdr] wrote:
>
> I had several qso in sept 2015 with AA3GZ on 20m freedv/quisk, but the
> quality was really poor, I heard PA0HWB on 80 m but could not get a
> report from him...Too poor activity to say if this mode has an interest.
>
>

--
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2309. Clock on main GUI

Yahoo group: n2adr-sdr
Date: 2016-09-19 18:15:08 UTC
From: dan.tiganas@...
Topic: 2309 Message: 2309

HI all,
Is there a way to add the clock on main display? I am running Quisk full screen on Raspberry PI LCD and it would be very helpful to have the current time displayed.
Thank you very much!

2310. Re: [n2adr-sdr] Clock on main GUI

Yahoo group: n2adr-sdr
Date: 2016-09-19 18:45:02 UTC
From: Michael Durkin
Topic: 2309 Message: 2310

I use a program to display a clock on top ... I'll post later what I use on Ubuntu

On Sep 19, 2016 11:15 AM, "dan.tiganas@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> HI all,
>
> Is there a way to add the clock on main display? I am running Quisk full
> screen on Raspberry PI LCD and it would be very helpful to have the current
> time displayed.
>
> Thank you very much!
>
>

2311. Re: [n2adr-sdr] Clock on main GUI

Yahoo group: n2adr-sdr
Date: 2016-09-19 19:56:48 UTC
From: Michael Durkin
Topic: 2309 Message: 2311

I use Cairo - clock ..... and resize it .
It's still a bit intrusive on the screen.

On Sep 19, 2016 11:45 AM, "Michael Durkin" <kc7noa@...> wrote:

> I use a program to display a clock on top ... I'll post later what I use
> on Ubuntu
>
> On Sep 19, 2016 11:15 AM, "dan.tiganas@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> HI all,
>>
>> Is there a way to add the clock on main display? I am running Quisk full
>> screen on Raspberry PI LCD and it would be very helpful to have the current
>> time displayed.
>>
>> Thank you very much!
>>
>>
>

2312. Re: Clock on main GUI

Yahoo group: n2adr-sdr
Date: 2016-09-19 20:30:54 UTC
From: dan.tiganas@...
Topic: 2309 Message: 2312

Thanks, I will try this tomorrow. That's actually a very good idea, having a separate clock, although I believe it would be much more interesting to have it integrated in Quisk window itself. Thank you for the suggestion!

2313. Re: [n2adr-sdr] Re: Clock on main GUI

Yahoo group: n2adr-sdr
Date: 2016-09-19 21:40:36 UTC
From: Michael Durkin
Topic: 2309 Message: 2313

Yes it would .... I have no idea how to do it .... like replace the status window with a clock time / utc etc ....

On Sep 19, 2016 1:30 PM, "dan.tiganas@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Thanks, I will try this tomorrow. That's actually a very good idea, having
> a separate clock, although I believe it would be much more interesting to
> have it integrated in Quisk window itself. Thank you for the suggestion!
>
>

2314. Quisk on Arm cortex

Yahoo group: n2adr-sdr
Date: 2016-10-14 06:48:04 UTC
From: Michael Durkin
Topic: 2314 Message: 2314

Any one here running quisk on a arm? with odd latency changes when pavucontrol is running ..?

2315. Re: [n2adr-sdr] Quisk on Arm cortex

Yahoo group: n2adr-sdr
Date: 2016-10-15 16:57:10 UTC
From: Eric Thornton
Topic: 2314 Message: 2315

Michael,

Are you running on a raspberry pi? What audio device are you using?

When you say latency changes, do you mean that with pavucontrol running you see increasing latency or is it inconsistent?

pavucontrol opens additional streams to the audio device and then down-samples using speex I believe. This will most certainly put additional load on the processor.

Let me know if that helps explain the phenomenon or if something else is going on.

Eric
WW4ET

On Fri, Oct 14, 2016 at 2:48 AM, Michael Durkin kc7noa@gmail.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Any one here running quisk on a arm? with odd latency changes when
> pavucontrol is running ..?
>
>
>

2316. Re: [n2adr-sdr] Quisk on Arm cortex

Yahoo group: n2adr-sdr
Date: 2016-10-15 17:22:48 UTC
From: Michael Durkin
Topic: 2314 Message: 2316

Im using an Odroid-X2 ... Ubuntu 14.04

The I/Q USB device is a Via1620A set to 48000@16bit (i think native is 96000@24bit)

When pavucontrol is not running when quisk starts i get audio "pauses" .... when pavucontol is running i can set the latency_delay fairly low ... last time i changed it -- it was set to 50ms.

Im using the quisk_conf.py because iv never been able to get any version of the GUI setup to have good latency -- usually not working or horrible pauses.

Im getting angry with Odroid -- their Kernel version is getting OLD. 3.8 for the X2 (still) and 3.14 for C2 (and im starting to think this is an issue -- im also trying to get Direwolf to work with the audio streams)

As as side question ... im wondering if anyone with SBC (arm) is using Ubuntu16.04 and can Tx ... reply in a separate thread if you do.

On Sat, Oct 15, 2016 at 9:57 AM, Eric Thornton ewthornton@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Michael,
>
> Are you running on a raspberry pi? What audio device are you using?
>
> When you say latency changes, do you mean that with pavucontrol running
> you see increasing latency or is it inconsistent?
>
> pavucontrol opens additional streams to the audio device and then
> down-samples using speex I believe. This will most certainly put additional
> load on the processor.
>
> Let me know if that helps explain the phenomenon or if something else is
> going on.
>
> Eric
> WW4ET
>
> On Fri, Oct 14, 2016 at 2:48 AM, Michael Durkin kc7noa@gmail.com
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>

>> Any one here running quisk on a arm? with odd latency changes when
>> pavucontrol is running ..?
>>
>>
>
>

2317. Re: [n2adr-sdr] Quisk on Arm cortex

Yahoo group: n2adr-sdr
Date: 2016-10-16 14:57:24 UTC
From: Eric Thornton
Topic: 2314 Message: 2317

I ran into this when I was debugging the new pulseaudio backend, but can't quite remember the details 100%.

By chance are you running anything else like wsjtx? If I remember correctly, the way wsjtx connected to pulse audio with qt, it failed to set the stream properties and there were some buffer issues. I thought I put a workaround in for that. Let me know if this is the case.

Eric
WW4ET

On Sat, Oct 15, 2016 at 1:22 PM, Michael Durkin kc7noa@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Im using an Odroid-X2 ... Ubuntu 14.04
>
> The I/Q USB device is a Via1620A set to 48000@16bit (i think native is
> 96000@24bit)
>
> When pavucontrol is not running when quisk starts i get audio "pauses"
> .... when pavucontol is running i can set the latency_delay fairly low ...
> last time i changed it -- it was set to 50ms.
>
> Im using the quisk_conf.py because iv never been able to get any version
> of the GUI setup to have good latency -- usually not working or horrible
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>
> Im getting angry with Odroid -- their Kernel version is getting OLD. 3.8
> for the X2 (still) and 3.14 for C2 (and im starting to think this is an
> issue -- im also trying to get Direwolf to work with the audio streams)
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> Ubuntu16.04 and can Tx ... reply in a separate thread if you do.
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> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>
>> Michael,
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>> Are you running on a raspberry pi? What audio device are you using?
>>

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>> you see increasing latency or is it inconsistent?
>>
>> pavucontrol opens additional streams to the audio device and then
>> down-samples using speex I believe. This will most certainly put additional
>> load on the processor.
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>> Let me know if that helps explain the phenomenon or if something else is
>> going on.
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>> Eric
>> WW4ET
>>
>> On Fri, Oct 14, 2016 at 2:48 AM, Michael Durkin kc7noa@...
>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>
>>>
>>>
>>> Any one here running quisk on a arm? with odd latency changes when
>>> pavucontrol is running ..?
>>>
>>>
>>
>
>

2318. Re: [n2adr-sdr] Quisk on Arm cortex

Yahoo group: n2adr-sdr
Date: 2016-10-16 15:12:46 UTC
From: Michael Durkin
Topic: 2314 Message: 2318

Wsjtx is not running when quisk starts ... though it is installed and so is pulseaudio 9

On Oct 16, 2016 7:59 AM, "Eric Thornton ewthornton@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I ran into this when I was debugging the new pulseaudio backend, but can't
> quite remember the details 100%.
>
> By chance are you running anything else like wsjtx? If I remember
> correctly, the way wsjtx connected to pulse audio with qt, it failed to set
> the stream properties and there were some buffer issues. I thought I put a
> workaround in for that. Let me know if this is the case.
>
> Eric
> WW4ET
>
> On Sat, Oct 15, 2016 at 1:22 PM, Michael Durkin kc7noa@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> Im using an Odroid-X2 ... Ubuntu 14.04
>>
>> The I/Q USB device is a Via1620A set to 48000@16bit (i think native is
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>>
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>> .... when pavucontol is running i can set the latency_delay fairly low ...
>> last time i changed it -- it was set to 50ms.
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>> Im using the quisk_conf.py because iv never been able to get any version
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>>
>> Im getting angry with Odroid -- their Kernel version is getting OLD. 3.8
>> for the X2 (still) and 3.14 for C2 (and im starting to think this is an
>> issue -- im also trying to get Direwolf to work with the audio streams)
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>> As as side question ... im wondering if anyone with SBC (arm) is using
>> Ubuntu16.04 and can Tx ... reply in a separate thread if you do.
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>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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>>> pavucontrol opens additional streams to the audio device and then
>>> down-samples using speex I believe. This will most certainly put additional
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>>> Let me know if that helps explain the phenomenon or if something else is
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>>> WW4ET
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>>> On Fri, Oct 14, 2016 at 2:48 AM, Michael Durkin kc7noa@...
>>> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>>>
>>>>>
>>>>>
>>>> Any one here running quisk on a arm? with odd latency changes when
>>>> pavucontrol is running ..?
>>>>>
>>>>>
>>>
>>
>
>

2319. Quisk Version 4.1.2 October 2016

Yahoo group: n2adr-sdr
Date: 2016-10-19 13:37:08 UTC
From: jahlstr@...
Topic: 2319 Message: 2319

This contains a new version of the Quisk Vector Network Analyzer program quisk_vna.py. The VNA program works with the Quisk hardware and the HiQSDR. I replaced the correction logic, added a new Calibrate screen and improved the formatting.

I added a feature to change the Quisk waterfall colors on the Fonts configuration screen. The new colors were provided by David Fainitski. Thanks David!

Jim
N2ADR

2320. quisk ver 4.1.2

Yahoo group: n2adr-sdr
Date: 2016-10-20 00:44:13 UTC
From: gvjury@...
Topic: 2320 Message: 2320

Hi Jim,

Again thanks for the enhancements to Quisk and the VNA is working beautifully for me. It is more stringent in enforcing me not to use levels that clip and I can now see the result of running with a certain amount of clipping vs no clipping with high levels not being as flat as some clipping would lead one to believe. It also seems to me that the performance above 30 MHz is improved and I seem to have less random noise at low levels there.

I think there is a bug in Quisk when the 500k band is selected as it is not possible to tune and keep the band button selected. It works fine for 137k so I am using that for my broadcast band selection.

I should have my Rx Hi Pass filter board back from Elecrow any day now so your VNA enhancements could not have come at a better time. Many thanks for the generous gift of your time and considerable talent Jim.

73, Graeme ZL2APV

2321. Re: quisk ver 4.1.2

Yahoo group: n2adr-sdr
Date: 2016-10-20 14:38:11 UTC
From: jahlstr@...
Topic: 2320 Message: 2321

Hello Graeme,

When I tried the 500k band it started with VFO zero. I will add some defaults for the 137k and 500k band. When I set the band edges on the Config/radio/Bands screen and entered a starting frequency in the frequency entry text box, everything worked. Note that the last frequency will not be remembered if it is outside the stated band limits. If you want to use 500k for the broadcast band, try setting the edges to 0.5 to 1.6 or so. If something still does not work, please state the problem again.

Thanks for your many contributions to the Hermes Lite project.

Jim
N2ADR

2322. Re: [n2adr-sdr] Re: quisk ver 4.1.2

Yahoo group: n2adr-sdr
Date: 2016-10-20 14:47:49 UTC
From: Michael Durkin
Topic: 2320 Message: 2322

Jim ... just want to say I love your program .....

Has any one asked about using soapysdr with quisk? --- I have a limeSDR in my future ....

On Oct 20, 2016 7:38 AM, "jahlstr@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello Graeme,
>
> When I tried the 500k band it started with VFO zero. I will add some
> defaults for the 137k and 500k band. When I set the band edges on the
> Config/radio/Bands screen and entered a starting frequency in the frequency
> entry text box, everything worked. Note that the last frequency will not
> be remembered if it is outside the stated band limits. If you want to use
> 500k for the broadcast band, try setting the edges to 0.5 to 1.6 or so. If
> something still does not work, please state the problem again.
>
> Thanks for your many contributions to the Hermes Lite project.
>
> Jim
> N2ADR
>
>

2323. Re: quisk ver 4.1.2

Yahoo group: n2adr-sdr
Date: 2016-10-20 21:53:03 UTC
From: gvjury@...
Topic: 2320 Message: 2323

Hello Jim,

This is a really strange one and I think it may be to do with the defaults table. The issue is that after setting up the band edges to 0.5 and 1.8 with Tx Level = 0 and IO Bus = 0, plus bands selected are 500k to 6 i.e. 12 bands plus audio and time. When I start Quisk and select 500k it opens with vfo zero and when I roll the frequency up and reach ~ 140 kHz (my sample rate is set to 48 kHz) the band button deselects and although I can tune up to the broadcast band of course there is no button selected so the settings cannot be remembered. I tried exiting with the 500k button selected and 130 kHz showing on the dial but it restarted back at vfo zero. It seems that it thinks it has audio selected when the 500k button is selected.

Just tried something else and now it works. I set up Quisk for pulse and set the 500k band in that radio and it worked. I then tried my original alsa radio and it also works so I don't know how it happened but again think it may be to do with the quisk_settings.json file. Any way I will keep using Quisk and report if I get any more problems with the 500 KHz band. It seems strange that the 137k band worked and the 500k band did not.

Thanks for your time Jim,

73 Graeme

2324. Re: [n2adr-sdr] Re: quisk ver 4.1.2

Yahoo group: n2adr-sdr
Date: 2016-10-20 22:03:25 UTC
From: Sid Boyce
Topic: 2320 Message: 2324

Hi Mike,
SoapySDR runs plugin modules built for it which seem to be SDR hardware specific.

The current modules are listed at
https://github.com/pothosware/SoapySDR/wiki/PythonSupport
It doesn't list any modules for the hardware that quisk supports and if it did it wouldn't need quisk.
73 ... Sid.

On 20/10/16 15:47, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
>
> Jim ... just want to say I love your program .....
>
> Has any one asked about using soapysdr with quisk? --- I have a
> limeSDR in my future ....
>
>
> On Oct 20, 2016 7:38 AM, "jahlstr@... <mailto:jahlstr@...>
> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Hello Graeme,
>
>
> When I tried the 500k band it started with VFO zero.? I will add
> some defaults for the 137k and 500k band.? When I set the band
> edges on the Config/radio/Bands screen and entered a starting
> frequency in the frequency entry text box, everything worked.?
> Note that the last frequency will not be remembered if it is
> outside the stated band limits.? If you want to use 500k for the
> broadcast band, try setting the edges to 0.5 to 1.6 or so.? If
> something still does not work, please state the problem again.
>
> Thanks for your many contributions to the Hermes Lite project.
>
> Jim
> N2ADR
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support

Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2325. First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 01:57:34 UTC
From: Robert Nickels
Topic: 2320 Message: 2325

Hi Jim, all -

I'm just starting out with Quisk on a Raspberry Pi 3 with the aim of running my Hermes-Lite.

A couple of weeks ago I downloaded version 4.1.1 and found the Hermes files but got things messed-up while trying to understand how the configuration feature works. So tonight I deleted everything started fresh by re-extracting from the tarball, but when I try to launch Quisk I get the following:

```
pi@raspberrypi:~/Downloads/quisk $ python quisk.py
Traceback (most recent call last):
File "quisk.py", line 34, in <module>
import _quisk as QS
ImportError: ./_quisk.so: wrong ELF class: ELFCLASS64
```

Remembering that 4.1.2 had just been released I tried it, but still get the same error above when launching with the default configuration. It seems to be a 32 vs 64 bit issue - the OS on the Pi 3 is 32 bits. I was able to run Quisk before and nothing has been changed other than deleting and extracting, so I'm not sure how to fix this.

Thanks for any assistance,

73, Bob W9RAN

2326. Re: [n2adr-sdr] First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 02:02:41 UTC
From: Michael Durkin
Topic: 2320 Message: 2326

Try autoreconf -I
Make
Sudo Python setup.py install

On Oct 20, 2016 6:57 PM, "Robert Nickels w9ran@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi Jim, all -
>
> I'm just starting out with Quisk on a Raspberry Pi 3 with the aim of
> running my Hermes-Lite.
>
> A couple of weeks ago I downloaded version 4.1.1 and found the Hermes
> files but got things messed-up while trying to understand how the
> configuration feature works. So tonight I deleted everything started
> fresh by re-extracting from the tarball, but when I try to launch Quisk
> I get the following:
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> pi@raspberrypi:~/Downloads/quisk $ python quisk.py
> Traceback (most recent call last):
> File "quisk.py", line 34, in <module>
> import _quisk as QS
> ImportError: ./_quisk.so: wrong ELF class: ELFCLASS64
>
> Remembering that 4.1.2 had just been released I tried it, but still get
> the same error above when launching with the default configuration. It
> seems to be a 32 vs 64 bit issue - the OS on the Pi 3 is 32 bits. I was
> able to run Quisk before and nothing has been changed other than
> deleting and extracting, so I'm not sure how to fix this.
>
> Thanks for any assistance,
>
> 73, Bob W9RAN
>
>
>

2327. Re: [n2adr-sdr] First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 04:35:38 UTC
From: Robert Nickels
Topic: 2320 Message: 2327

On 10/20/2016 9:02 PM, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Try autoreconf -I
> Make
> Sudo Python setup.py install

Thanks Michael, that did it, now listening to Quisk!

73, Bob W9RAN

2328. Re: [n2adr-sdr] First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 04:54:40 UTC
From: Michael Durkin
Topic: 2320 Message: 2328

No prob ....

are you using the Pi3 or Pi2 ?

With Pulseaudio or port or alsa?

Oh .. that's right , you have a Hermes-Lite.

On Thu, Oct 20, 2016 at 9:35 PM, Robert Nickels w9ran@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> On 10/20/2016 9:02 PM, Michael Durkin kc7noa@...m [n2adr-sdr] wrote:
> > Try autoreconf -I
> > Make
> > Sudo Python setup.py install
>
> Thanks Michael, that did it, now listening to Quisk!
>
> 73, Bob W9RAN
>
>
>

2329. Re: [n2adr-sdr] First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 16:00:05 UTC
From: Robert Nickels
Topic: 2320 Message: 2329

On 10/20/2016 11:54 PM, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
>
> are you using the Pi3 or Pi2 ?
>
> With Pulseaudio or port or alsa?
>
> Oh .. that's right , you have a Hermes-Lite.

Yes, here's a screen cap showing the nice low CPU utilization on the Pi 3 (48 kHz bw): http://i.imgur.com/fd0CWd2.jpg

I'm using the default audio to the audio output jack on the Pi, which is alsa. Want to try Bluetooth audio next.

By the way the H-L is on a wired segment but the Pi 3 is connected via wi-fi and I'm running Quisk remotely from an old XP box using Xming. As can be seen I've also got a browser and several terminal windows open as well. I'm impressed both with Quisk and with how it runs on this platform.

73, Bob W9RAN

2330. Re: [n2adr-sdr] First time user - quisk ver 4.1.1

Yahoo group: n2adr-sdr
Date: 2016-10-21 17:22:27 UTC
From: Michael Durkin
Topic: 2320 Message: 2330

Xming? I'll have to go look that up ...
Iv used xpra to remote window quisk ... but usually have a problem with audio streaming over the network

On Oct 21, 2016 9:08 AM, "Robert Nickels w9ran@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> On 10/20/2016 11:54 PM, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> >
> > are you using the Pi3 or Pi2 ?
> >
> > With Pulseaudio or port or alsa?
> >
> > Oh .. that's right , you have a Hermes-Lite.
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> I'm using the default audio to the audio output jack on the Pi, which is alsa. Want to try Bluetooth audio next.
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> By the way the H-L is on a wired segment but the Pi 3 is connected via wi-fi and I'm running Quisk remotely from an old XP box using Xming. As can be seen I've also got a browser and several terminal windows open as well. I'm impressed both with Quisk and with how it runs on this platform.
>
> 73, Bob W9RAN
>
>
>

2331. Up down step size

Yahoo group: n2adr-sdr
Date: 2016-10-22 02:53:46 UTC
From: Michael Durkin
Topic: 2331 Message: 2331

I'm going to keep looking ....
But I want to change the up/down button step size from 10khz to 5khz ...

2332. PTT can you use?

Yahoo group: n2adr-sdr
Date: 2016-10-22 04:07:46 UTC
From: Michael Durkin
Topic: 2332 Message: 2332

Can you use a USB to serial adapter to trigger Tx ?
What pin do you use ?

2333. TX on Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2016-10-23 01:46:39 UTC
From: Robert Nickels
Topic: 2333 Message: 2333

After spending half the day playing with Quick running my Hermes-Lite in receive mode, I have to say "I love it!" Thanks Jim and friends for the excellent work on this, my only regret is not discovering it sooner.

One thing I've been scratching my head over is transmit mode. My H-L has no PA yet but I know it will put out 50mW or so by using another control program - yet when I put Quisk into transmit mode it's the sound of silence. I've got a working mic and mic level is set as verified by the record/playback feature (which is very cool by the way) and everything else is at the default setting including all the IP-related settings for the H-L and the TX Level slider is set to 100%. But when I key the PTT in SSB mode, I can't hear a peep on the TX frequency and haven't found anything else that could be preventing TX output. I assume the default IP and port settings should work.

When I click the PTT or trip the VOX, the PTT button turns red and the Rx display stops - but that's all. Is there supposed to be anything on the spectrum display while transmitting?

I'm probably missing something - thanks in advance.

73, Bob W9RAN

2334. Re: [n2adr-sdr] TX on Hermes-Lite

Yahoo group: n2adr-sdr
Date: 2016-10-23 02:00:53 UTC
From: Graeme Jury
Topic: 2333 Message: 2334

Hi Bob,

Check the config screen choosing the radio you have set up and go to band
and check the tx levels are not zero. Sorry am away in my caravan and can't
help with alsa settings by relying on memory.

73, Graeme zl2apv

On 23/10/2016 2:46 PM, "Robert Nickels w9ran@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> After spending half the day playing with Quick running my Hermes-Lite in
> receive mode, I have to say "I love it!" Thanks Jim and friends for
> the excellent work on this, my only regret is not discovering it sooner.
>
> One thing I've been scratching my head over is transmit mode. My H-L has
> no PA yet but I know it will put out 50mW or so by using another control
> program - yet when I put Quisk into transmit mode it's the sound of
> silence. I've got a working mic and mic level is set as verified by
> the record/playback feature (which is very cool by the way) and
> everything else is at the default setting including all the IP-related
> settings for the H-L and the TX Level slider is set to 100%. But when
> I key the PTT in SSB mode, I can't hear a peep on the TX frequency and
> haven't found anything else that could be preventing TX output. I
> assume the default IP and port settings should work.
>
> When I click the PTT or trip the VOX, the PTT button turns red and the
> Rx display stops - but that's all. Is there supposed to be anything on
> the spectrum display while transmitting?
>
> I'm probably missing something - thanks in advance.
>
> 73, Bob W9RAN
>
>
>

2335. wxversion error

Yahoo group: n2adr-sdr
Date: 2016-11-04 00:16:37 UTC
From: Robert Nickels
Topic: 2335 Message: 2335

I keep getting the following error when trying to select a radio that I've created, or when I try to start quisk with python quisk.py.

```
import quisk as QS
File "./quisk.py", line 25, in <module>
wxversion.ensureMinimal('2.8')
File "/usr/lib/python2.7/dist-packages/wxversion.py", line 181, in
ensureMinimal
raise AlreadyImportedError("wxversion.ensureMinimal() must be
called before wxPython is imported")
wxversion.AlreadyImportedError: wxversion.ensureMinimal() must be called
before wxPython is imported
```

I had this problem a week or so ago and thought I solved it by recompling, but that no longer is the case, and recompiling has no effect.

I understand that wxversion is supposed to help the application run with the correct version of python if more than one is installed. Mine is Python2.7.9 and everything on the system has just been updated. What is odd is that if I select the Hermes-Lite as the Radio, everything works fine, no wxversion issues.

Thanks for any help understanding what's going on here and how I might fix it.

73, Bob W9RAN

2336. Re: [n2adr-sdr] wxversion error

Yahoo group: n2adr-sdr
Date: 2016-11-04 00:22:44 UTC
From: Michael Durkin
Topic: 2335 Message: 2336

Try from cli
Python quisk.py

On Nov 3, 2016 5:16 PM, "Robert Nickels w9ran@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I keep getting the following error when trying to select a radio that
> I've created, or when I try to start quisk with python quisk.py.
>
> import quisk as QS
> File "./quisk.py", line 25, in <module>
> wxversion.ensureMinimal('2.8')
> File "/usr/lib/python2.7/dist-packages/wxversion.py", line 181, in
> ensureMinimal
> raise AlreadyImportedError("wxversion.ensureMinimal() must be
> called before wxPython is imported")
> wxversion.AlreadyImportedError: wxversion.ensureMinimal() must be called
> before wxPython is imported
>
> I had this problem a week or so ago and thought I solved it by
> recompling, but that no longer is the case, and recompiling has no effect.
>
> I understand that wxversion is supposed to help the application run with
> the correct version of python if more than one is installed. Mine is
> Python2.7.9 and everything on the system has just been updated. What
> is odd is that if I select the Hermes-Lite as the Radio, everything
> works fine, no wxversion issues.
>
> Thanks for any help understanding what's going on here and how I might
> fix it.
>
> 73, Bob W9RAN
>
>
>

2337. Re: [n2adr-sdr] wxversion error

Yahoo group: n2adr-sdr
Date: 2016-11-04 01:14:06 UTC
From: Robert Nickels
Topic: 2335 Message: 2337

On 11/3/2016 7:22 PM, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Try from cli
> Python quisk.py

Thanks but it does the same thing. However through persistence if not programming skill, I managed to fix it. The error was happening on line 8 so I compared with other hardware control programs and found that line 8 in the H-L version has an underscore before quisk e.g "import _quisk as QS" rather than "import quisk as QS" as mine was. Making that change seems to make wxversion happy.

73, Bob W9RAN

2338. Choosing sdr from camand line

Yahoo group: n2adr-sdr
Date: 2016-11-06 18:07:26 UTC
From: Michael Durkin
Topic: 2338 Message: 2338

Can you Choose which sdr to use from cli?

I'd like to write scripts based on what type of digital mode I want to run
... with pulse or alsa etc ...

2339. Re: Choosing sdr from camand line

Yahoo group: n2adr-sdr
Date: 2016-11-09 18:40:28 UTC
From: jahlstr@...
Topic: 2338 Message: 2339

The only way to do this currently is to specify a config file on the command line, and have several config files for different modes.

Jim
N2ADR

2340. Re: [n2adr-sdr] Re: Choosing sdr from camand line

Yahoo group: n2adr-sdr
Date: 2016-11-09 19:14:20 UTC
From: Michael Durkin
Topic: 2338 Message: 2340

do you mean specify the config file for what the gui uses ... or different .quisk_conf.py files (ie the older conf style)

If you mean the conf that the gui uses ... can you give an example ....

On Wed, Nov 9, 2016 at 10:40 AM, jahlstr@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> The only way to do this currently is to specify a config file on the
> command line, and have several config files for different modes.
>
> Jim
> N2ADR
>
>
>

2341. Re: [n2adr-sdr] Re: Choosing sdr from camand line

Yahoo group: n2adr-sdr
Date: 2016-11-11 13:49:00 UTC
From: jahlstr@...
Topic: 2338 Message: 2341

For help on command line options, use "python quisk.py -help". Check the config screens after Quisk starts to make sure you got what you want. You need to be using "ConfigFileRadio".

It is the older config file style. Here is an example:

python quisk.py -c myconfigfile.py

python quisk.py -c myotherconfigfile.py

There is also an option for a second config file, so you can put common configuration in the first file, and use the second for slight changes. Here is an example:

python quisk.py -c baseconfigfile.py --config2 specialmode.py

Jim
N2ADR

2342. [Quisk] directsound capture device primary buffer failed

Yahoo group: n2adr-sdr
Date: 2016-11-29 15:32:56 UTC
From: desai_amogh@...
Topic: 2342 Message: 2342

Hi,

When I open Quisk 4.1.2 I'm getting error "directsound capture device primary buffer failed 0x80070057" on status tab. Sample interrupts on Status tab also keeps increasing

I have attached screenshots of Status screen and config screens for reference.

quisk_config.JPG https://drive.google.com/file/d/0B-pIhFWStiaNNW9Tb1FzeVpIUDQ/view?usp=drive_web

quisk_HL_HW.JPG https://drive.google.com/file/d/0B-pIhFWStiaNb2NMZWlsVWxIS1k/view?usp=drive_web

quisk_sound.JPG https://drive.google.com/file/d/0B-pIhFWStiaNRld0VGJKUmo3b00/view?usp=drive_web

quisk_status.JPG https://drive.google.com/file/d/0B-pIhFWStiaNdXpRZTlucVhZa1k/view?usp=drive_web

I am using a Win7 32 bit desktop, HW is a Hermes-lite 1.22 with SDK. It works fine with PS and Spark SDR software. Python 2.7.12 and latest Wxpython.

Please advise.

Amogh
VU3DES

Below is my quisk_config.py

```
# This is a sample config file for the Hermes-Lite. Do not modify this file.

from hermes import quisk_hardware
from hermes import quisk_widgets

use_rx_udp = 10 # Use this for Hermes-Lite
rx_udp_clock = 73728000 # The clock is 73.728 or 61.440 megahertz. Adjust slightly for
actual frequency.
rx_udp_ip = "" # Sample source IP address "" for DHCP
rx_udp_port = 1024 # Sample source UDP port; must be 1024
data_poll_usec = 10000 # poll time in microseconds

use_sidetone = 1 # Use the Quisk sidetone for CW

sample_rate = 96000
name_of_sound_capt = "" # We do not capture from the soundcard

##########name_of_sound_play = 'hw:1' # Play radio sound here. Linux.
##########microphone_name = 'hw:1' # The microphone is here.

name_of_sound_play = 'Primary' # Play radio sound here. Windows.
microphone_name = 'Primary' # The microphone is here.
```

```
graph_y_scale = 100
graph_y_zero = 100
playback_rate = 48000
add_imd_button = 1
add_fdx_button = 1
tx_level = {None:255, '60':255} # Adjust your power for each band

# Control the J16 connector according to the band. J16 is C0 index 0, C2[7:1]. If the band
is not here, the default is 0x00.
# This value is written to bits C2[7:1]. That is, it is left shifted by one bit and written
to byte C2.
Hermes_BandDict = {'160':0b0000001, '80':0b0000010, '60':0b0000100, '40':0b0001000,
'30':0b0010000, '20':0b0100000, '15':0b1000000}
```

2343. Re: [n2adr-sdr] [Quisk] directsound capture device primary buffer failed

Yahoo group: n2adr-sdr
Date: 2016-11-29 17:50:43 UTC
From: Robert Nickels
Topic: 2342 Message: 2343

On 11/29/2016 9:32 AM, desai_amogh@... [n2adr-sdr] wrote:
>
>
> When I open Quisk 4.1.2 I'm getting error "directsound capture device
> primary buffer failed 0x80070057" on status tab. Sample interrupts on
> Status tab also keeps increasing
>
I've had similar errors when the wrong sound playback device is selected in the HL "Sound" tab (the one under HL not the quisk sound tab that you posted). Make sure the "Radio Audio Output" device is set to the correct output device and that the other parameters are correct.

I've seen this problem most often when playing with Bluetooth speakers. It works OK until the Bluetooth speaker is turned off and quisk is restarted which produces an error because the specified device is no longer present. Sometimes it's necessary to start with -a option and choose the "ConfigFileRadio" option to obtain access to the Config editor. Hope this helps.

73, Bob W9RAN

2344. Quisk Version 4.1.3 December 2016

Yahoo group: n2adr-sdr
Date: 2016-12-09 21:41:59 UTC
From: jahlstr@...
Topic: 2344 Message: 2344

The VNA program quisk_vna.py now works with either the Hermes hardware or the HiQSDR hardware. The quisk_vna.py program is part of Quisk. You need Hermes-Lite firmware 32 or above to use VNA.

I added some defaults for the 137k and 500k bands. These bands are experimental, so be sure to set the lower and upper edge on the Config/Radio/Bands screen and follow the rules for your country.

If you set the TX Level for a band to zero, the PTT button is grayed out for that band. This is a visual reminder not to transmit on that band.

Jim

N2ADR

2345. griffin powermate usb

Yahoo group: n2adr-sdr
Date: 2016-12-18 20:29:03 UTC
From: pa3dfn@...
Topic: 2345 Message: 2345

Hello,

Is there a possibility to use the Griffin Powermate USB as a tuning device?

I am not a Python programmer so please with some examples.

Gr,

Philip

2346. Re: [n2adr-sdr] griffin powermate usb

Yahoo group: n2adr-sdr
Date: 2016-12-18 21:33:19 UTC
From: Sid Boyce
Topic: 2345 Message: 2346

Something I had wondered about for a long time but was afraid to ask Jim knowing how busy he is.

There is support for the Powermate in ghpsdr3-alex/trunk/src/QtRadio/{powermate.cpp, powermate.h}.

I also have one looking just pretty on a bookshelf. It could be very useful as there is already powermate support in recent kernels.

Not included in 3.14.79-96 for the ODROID-C2 and gizmod doesn't build.

73 ... Sid.

On 18/12/16 20:29, pa3dfn@... [n2adr-sdr] wrote:
>
> Hello,
>
>
> Is there a possibility to use the Griffin Powermate USB as a tuning
> device?
>
>
> I am not a Python programmer so please with some examples.
>
>
> Gr,
>
>
> Philip
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2347. Re: [n2adr-sdr] griffin powermate usb

Yahoo group: n2adr-sdr
Date: 2016-12-19 10:16:01 UTC
From: pa3dfn@...
Topic: 2345 Message: 2347

Hi Sid,

thanks for the reply. The reason that I asked was indeed the support for QTRadio.

Here my powermate is also collecting dust. ;-(

I can use it as scolling device under linux and in that way it is usable in Quisk. But it should be nice if it has its own hook into Quisk as tuning device.

When there is a possibility to set a special seperate input (pointing) device for tuning, in the config-file, it should also be very easy to use a mouse or trackball as tuning device.

In linux you can maken a udev rule to separate the extra pointing device from the standard pointing device. So the powermate or extra mouse/trackball could be on the /dev/tuning "mountpoint"

73 Philip

2348. Re: [n2adr-sdr] griffin powermate usb

Yahoo group: n2adr-sdr
Date: 2016-12-19 17:31:56 UTC
From: Sid Boyce
Topic: 2345 Message: 2348

I just found the doc for QtRadio
http://napan.ca/ghpsdr3/index.php/QtRadio_-_Operation#Using_the_Griffin_Powermate_USB_Dial_as_VFO_Knob
73 ... Sid.

On 19/12/16 10:16, pa3dfn@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
>
> thanks for the reply. The reason that I asked was indeed the support
> for QTRadio.
>
> Here my powermate is also collecting dust. ;-(
>
> I can use it as scolling device under linux and in that way it is
> usable in Quisk. But it should be nice if it has its own hook into
> Quisk as tuning device.
>
> When there is a possibility to set a special seperate input (pointing)
> device for tuning, in the config-file, it should also be very easy to
> use a mouse or trackball as tuning device.
>
> In linux you can maken a udev rule to separate the extra pointing
> device from the standard pointing device. So the powermate or extra
> mouse/trackball could be on the /dev/tuning "mountpoint"
>
> 73 Philip
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2349. My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-16 23:00:41 UTC
From: rolin791@...
Topic: 2349 Message: 2349
Attachments: 1 described; binary payloads are missing from this source WARC

Hi, people.
I learned the Python for a few weeks and thanks to this I was able make useful changes in my favorite programm - the QUISK.

What I have done:

1) Changed the principle of calibration S-meter, now S-meter is tied to the scale of decibels, then there's now indications decibels are correct.

In addition, the value considers also an attenuator / amplifier, so that the C-meter always shows the correct level of the signal given to the antenna input.
Calibration is performed as before, specifying the required value correct_smeter parameter in the configuration file, either from your radio in the program menu. The only difference - the calibration value is now given in decibels rather than in S-scale values.

2) Added a CAT control system that is compatible with the instruction set of the transceiver Kenwood TS590S.
Supports setting mode, frequency, state of the transmit / receive in both directions, from the log in Quisk and from its to the log.
For the COM port settings, write the following lines in the config file:
#CAT settings, defaults parameter speed 9600, Parity - none, Stopbits - One, bytesize - 8,
#Commands in according to TS-590S by Kenwood
CAT_port = 'COM10'
CAT_DEBUG = False
You will also need an additional package for Python called pyserial, you can easy find and install its, ask to Google.

This port allows you to control of the RX/TX(PTT) only using CAT commands.

3) Added an additional port to control the RX/TX(PTT) and CW manipulation from a logger. To configure adding the following line in the config file:
#PTT to QUISK trough CTS, CW to QUISK trough DSR (RTS and DTR signals on other side of virtual #cabel)
PTT_port = 'COM12'

PTT_DEBUG = False
In CW mode, except for the PTT control, it is possible to form the CW using the program itself. Unfortunately, at this time, the signal is not formed rise / fall, so use this option only for testing.

4) Added automatic level control when drawing the waterfall. Also, applying a special formula to calculate levels by which a waterfall drawn much better. Slider Yz, as usually, controls the brightness, slider Ys controls of contrast of the image.

5) Fixed a bug when zooming panorama expressed in incorrect display of the panorama, when zooming, when the filter is close to the edge of the pan. This mistake had to be corrected,

as it disrupts the automatic adjustment of the waterfall.

6) Added an ability to toggle the three available palettes waterfall with the hot button right on the fly. Three variants of palettes, as you know, are available in your Radio options in this version of QUISK, where you can adjust how the palette will be enabled by default.

In order for this function to work, you must assign a hot key in the configuration file:

```
# Waterfall palette control key
hot_key_pal = ord('P')
```

You can change the color palette also in the configuration file, the first palette has a name
waterfallPallette, second and third waterfallPalletteB and waterfallPalletteC.

To make use of the changed program, install as usual the Quisk of version 4.1.3 and replace quisk.py file from C: \ Python27 \ Lib \ site-packages \ quisk on the same file from the archive. The archive also contains my configuration files, which you can use to easily start if it is needed. Put both files in the My Documents folder.

Enjoy with the QUISK !

Best regards, David Fainitski

2350. Re: [n2adr-sdr] My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-17 12:18:26 UTC
From: nick
Topic: 2349 Message: 2350

On 16/01/17 23:00, rolin791@... [n2adr-sdr] wrote:
> Hi, people.
>
> I learned the Python for a few weeks and thanks to this I was able make useful
> changes in my favorite programm - the QUISK.
>

Hi

Tried your new quisk.py. There are lots of these...

AttributeError: Hardware instance has no attribute 'blah'

Do your changes only work with the Odyssey transceiver hardware?

Mint 17.3 64 bit
Quisk 4.1.3
Softrock Ensemble RXTX

73
Nick
G3VNC

2351. Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-17 12:32:05 UTC
From: rolin791@...
Topic: 2349 Message: 2351
Attachments: 1 described; binary payloads are missing from this source WARC

Please, redownload the file, the problem of large CPU load resolved here. Sorry.

2352. Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-17 12:45:23 UTC
From: rolin791@...
Topic: 2349 Message: 2352

Hello, Nik What OS are you using ?
I tested under Windows, Python 2.x.x , with Odyssey, HiqSDR works good also.

Try use the new file and don't use PTT_port settings in your config-file.

Write me errors, I will to resolve them.

Best regards

2353. Re: [n2adr-sdr] Re: My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-17 13:37:29 UTC
From: nick
Topic: 2349 Message: 2353
Attachments: 1 described; binary payloads are missing from this source WARC

On 17/01/17 12:32, rolin791@... [n2adr-sdr] wrote:
> Please, redownload the file, the problem of large CPU load resolved here.

Done, but no change.

> What OS are you using ?

Mint Linux 17.3 64 bit
Python 2.7.6
Softrock Ensemble RXTX

It looks like your quisk.py is incompatible with the Softrock hardware.

Quisk hangs - traceback attached.

73
Nick
G3VNC

2354. Re: [n2adr-sdr] Re: My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-17 14:25:38 UTC
From: rolin791@...
Topic: 2349 Message: 2354
Attachments: 1 described; binary payloads are missing from this source WARC

Hello, Nick

No, quisk.py is universal file for all the hardware, all platforms.

The problem in your quisk_hardware.py file, it don't contain rf_gain parameter and my version didn't conside this fact. Try new version

2355. Re: [n2adr-sdr] Re: My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-17 20:18:07 UTC
From: David Turner
Topic: 2349 Message: 2355

Hello David. (rolin)
Just tried quisk.py, if I start quisk with ./quisk program responds with permission denied, if I use python ./quisk.py it works Ok.
 Not a problem, just for information.
Daveg0vvf.

2356. Re: [n2adr-sdr] Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-18 01:58:58 UTC
From: Eric Thornton
Topic: 2349 Message: 2356

The permissions on the file are probably not executable.

#chmod u+x quick.py

Eric
ww4et

On Tue, Jan 17, 2017 at 3:18 PM, David Turner g0vvf@yahoo.com [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello David. (rolin)
>
> Just tried quisk.py, if I start quisk with ./quisk program responds with
> permission denied, if I use python ./quisk.py it works Ok.
>
> Not a problem, just for information.
>
> Dave
> g0vvf.
>
>
>
>

2357. Re: [n2adr-sdr] Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-18 08:45:54 UTC
From: David Turner
Topic: 2349 Message: 2357

Hello Eric.
Yes that worked Ok, but typo error in email should be quisk not quick.
Many Thanks.
Daveg0vvf

2358. Re: [n2adr-sdr] Re: My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-18 12:53:27 UTC
From: rolin791@...
Topic: 2349 Message: 2358
Attachments: 1 described; binary payloads are missing from this source WARC

Hello, Dave

I don't see any permissions attributes this file except "Archive".

Try this

2359. Re: [n2adr-sdr] Re: My changes to QUISK [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2017-01-18 14:09:17 UTC
From: David Turner
Topic: 2349 Message: 2359

Hello David.
It was quisk.py causing problem, not quisk_conf.py.(I should have made this clear first time.)
Daveg0vvf

2360. Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-01-30 11:19:20 UTC
From: runeegil@...
Topic: 2349 Message: 2360

Hi Linux gurus.

I have read through the “My changes to Quisk”. Will this means I can copy the attached rar file and copy the text into my quisk.conf file and then have CAT on my HIQSDR?. I will use my HIQSDR as second receiver so I can listen to tow different antenna system between the SUNSDR PRO and the HIQSDR.
I will then use the CAT function to synchronize the two radios frequencies.

73 Rune LA7THA

2361. Re: My changes to QUISK

Yahoo group: n2adr-sdr
Date: 2017-02-11 00:40:52 UTC
From: rolin791@...
Topic: 2349 Message: 2361
Attachments: 1 described; binary payloads are missing from this source WARC

Some changes and bugfixes

2362. Does anyone have a spare BeMicroCV board they'd like to sell me?

Yahoo group: n2adr-sdr
Date: 2017-03-17 21:56:41 UTC
From: cbartram@...
Topic: 2362 Message: 2362

The subject says it all! Mail me direct at <chris@@chris-bartram.co.uk>

73

Chris GW4DGU

2363. Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-17 20:39:55 UTC
From: maccluer13@...
Topic: 2363 Message: 2363

RX works more than fine except for control of the Si570: I can only receive around the wakeup frequency of the Si570.

I've written the recommended SYSTEM=="usb",ATTR ... into etc/udev/rules.d/99-softrock.rules

(as well as a copy in the subfolder local.rules).

Is there some new issue with the Pi3?

2364. Re: [n2adr-sdr] Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-17 20:43:04 UTC
From: Michael Durkin
Topic: 2363 Message: 2364

I seriously doubt it .....

See if you can control it with usbsoftrock. You will have to download from git and build it ....

On May 17, 2017 1:39 PM, "maccluer13@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> RX works more than fine except for control of the Si570: I can only
> receive around the wakeup frequency of the Si570.
>
>
> I've written the recommended SYSTEM=="usb",ATTR ... into
> etc/udev/rules.d/99-softrock.rules
>
>
> (as well as a copy in the subfolder local.rules).
>
>
> Is there some new issue with the Pi3?
>
>

2365. Re: [n2adr-sdr] Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-17 20:44:36 UTC
From: Michael Durkin
Topic: 2363 Message: 2365

And does the controller show :
Terminal, lsusb

On May 17, 2017 1:43 PM, "Michael Durkin" <kc7noa@...> wrote:

> I seriously doubt it .....
>
> See if you can control it with usbsoftrock. You will have to download from
> git and build it ....
>
> On May 17, 2017 1:39 PM, "maccluer13@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> RX works more than fine except for control of the Si570: I can only
>> receive around the wakeup frequency of the Si570.
>>
>>
>> I've written the recommended SYSTEM=="usb",ATTR ... into
>> etc/udev/rules.d/99-softrock.rules
>>
>>
>> (as well as a copy in the subfolder local.rules).
>>
>>
>> Is there some new issue with the Pi3?
>>
>>
>

2366. Re: [n2adr-sdr] Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-17 21:55:48 UTC
From: maccluer13@...
Topic: 2363 Message: 2366

Yes, lsusb reveals the device as "Van Ooijen technische..."

2367. Re: [n2adr-sdr] Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-19 00:35:20 UTC
From: Sid Boyce
Topic: 2363 Message: 2367

What version of quisk and what does the config say about si570 control?
quisk-4.1.3 is the latest and one I would recommend. This version is
configured from the GUI and creates a config file ~/quisk_settings.json
73 ... Sid.

On 17/05/17 22:55, maccluer13@... [n2adr-sdr] wrote:
>
> Yes, lsusb reveals the device as "Van Ooijen technische..."
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2368. Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 01:08:14 UTC
From: maccluer13@...
Topic: 2363 Message: 2368

Sorry for the delay--- I was in Xenia. My Quisk is 4.3.1. The usb- related items in the quisk_settings.json all look right but one:

usb product I'd 0x05dc
Hamlin port. 4575
usb vendor I'd. 0x16c0
Si570 direct control. False. (????)
Si580 i2c address. 0x55
hardware file type. SoftRock USB

Are there other entries that control the 570?

Shame that this last hurdle remains since the radio's performance is extremely good otherwise.

2369. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 08:39:07 UTC
From: Sid Boyce
Topic: 2363 Message: 2369

The only thing that looks suspicious is the Si580 unless it's a typo and
you meant Si570.
You could also try setting Si570 direct control to True.

With my Softrocks I have uses USB BitWhacker and SDR-Widgets for many
years instead of the ATTiny chips.
73 ... Sid.

On 21/05/17 02:08, maccluer13@... [n2adr-sdr] wrote:
>
> Sorry for the delay--- I was in Xenia. My Quisk is 4.3.1. The usb-
> related items in the quisk_settings.json all look right but one:
>
> usb product I'd 0x05dc
> Hamlin port. 4575
> usb vendor I'd. 0x16c0
> Si570 direct control. False. (????)
> Si580 i2c address. 0x55
> hardware file type. SoftRock USB
>
> Are there other entries that control the 570?
>
> Shame that this last hurdle remains since the radio's performance is
> extremely good otherwise.
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2370. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 13:19:16 UTC
From: Michael Durkin
Topic: 2363 Message: 2370

Is it a new Si570?

On May 21, 2017 1:39 AM, "Sid Boyce g3vbv@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

> The only thing that looks suspicious is the Si580 unless it's a typo and
> you meant Si570.
> You could also try setting Si570 direct control to True.
>
> With my Softrocks I have uses USB BitWhacker and SDR-Widgets for many
> years instead of the ATTiny chips.
> 73 ... Sid.
>
> On 21/05/17 02:08, maccluer13@... [n2adr-sdr] wrote:
> >
> > Sorry for the delay--- I was in Xenia. My Quisk is 4.3.1. The usb-
> > related items in the quisk_settings.json all look right but one:
> >
> > usb product I'd 0x05dc
> > Hamlin port. 4575
> > usb vendor I'd. 0x16c0
> > Si570 direct control. False. (????)
> > Si580 i2c address. 0x55
> > hardware file type. SoftRock USB
> >
> > Are there other entries that control the 570?
> >
> > Shame that this last hurdle remains since the radio's performance is
> > extremely good otherwise.
> >
> >
>
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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2371. Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 15:55:06 UTC
From: maccluer13@...
Topic: 2363 Message: 2371

I have several Softrocks: Ensemble RX II, RxTX, LF. All behave the same. Can receive well near the wake up frequency, but Quisk is unable to move it off the wakeup frequency.

2372. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 16:03:14 UTC
From: Michael Durkin
Topic: 2363 Message: 2372

Is the Si570 new ....
What is the PPM rating?

I remember a conversation some where about SiLabs changing and Registries a little bit with the new tighter parts-per-million rated Si570.

On May 21, 2017 8:55 AM, "maccluer13@yahoo.com [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I have several Softrocks: Ensemble RX II, RxTX, LF. All behave the same.
> Can receive well near the wake up frequency, but Quisk is unable to move it
> off the wakeup frequency.
>
>

2373. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 20:59:42 UTC
From: maccluer13@...
Topic: 2363 Message: 2373

I installed usbsoftrock. It can control the Softrock frequency. Now why can't Quisk?

2374. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-21 21:33:23 UTC
From: Michael Durkin
Topic: 2363 Message: 2374

You used quisk on same system with other softrock?

On May 21, 2017 1:59 PM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I installed usbsoftrock. It can control the Softrock frequency. Now why
> can't Quisk?
>
>

2375. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 00:04:05 UTC
From: maccluer13@...
Topic: 2363 Message: 2375

I don't understand your question. I used the same Raspberry Pi3 with Quisk with all the Softrocks. The newly installed usbsoftrock utility works with all the Softrocks.

2376. Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 00:14:11 UTC
From: maccluer13@...
Topic: 2363 Message: 2376

Incidentally, I put a scope on the Softrock's I2C input to the Si570. Quisk is not signalling the Si570 at all.

2377. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 00:16:15 UTC
From: Michael Durkin
Topic: 2363 Message: 2377

Try one of the other softrocks/ensembles

On May 21, 2017 5:14 PM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Incidentally, I put a scope on the Softrock's I2C input to the Si570.
> Quisk is not signalling the Si570 at all.
>
>

2378. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 02:35:42 UTC
From: maccluer13@...
Topic: 2363 Message: 2378

I did try two other Ensembles, same result. Quisk is not I2C signalling.

2379. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 02:45:00 UTC
From: Michael Durkin
Topic: 2363 Message: 2379

Ok ....

You should not need to set permissions for the USB buss .... maybe.

Since usbsoftrock is changing freq ... all is working , just a minor hickup.

Try first running quisk as sudo ... not sudo su

But

Sudo quisk or

From built main folder .....

Sudo python quisk.py

If not working, try setting direct controll to yes ... restart quisk.

If still not working ... well explore some with usbsoftrock (it's been awhile since I used it so I have to refresh my memory)

On May 21, 2017 7:35 PM, "maccluer13@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I did try two other Ensembles, same result. Quisk is not I2C signalling.
>
>

2380. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 16:14:11 UTC
From: maccluer13@...
Topic: 2363 Message: 2380

Excellent! Running Quisk as su works (after setting up a config file as before). I now have full control of the Si570 and all works as should.

So there is some USB permission trouble as ordinary user? I don't have that problem with usbsoftrock.

2381. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 17:33:23 UTC
From: maccluer13@...
Topic: 2363 Message: 2381

SOLVED! In the Configuration under the Ensemble II radio I am trying to setup, the line "hardware path" is filed in by choosing radios of softrock type as "./quisk_hardware_model.py", which is misleading at the very least.

When I run under su, that line is auto filled as "softrock/hardware_usb.py"

That is the correct entry when not su as well.

I now have a complete radio. Thanks to you all.

Chuck w8mqw

2382. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 17:36:30 UTC
From: Michael Durkin
Topic: 2363 Message: 2382

Reason usbsoftrock worked is when you build it .... last step is usally

Sudo make install .... which is enabling certain permissions.

On May 22, 2017 10:33 AM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> SOLVED! In the Configuration under the Ensemble II radio I am trying to
> setup, the line "hardware path" is filed in by choosing radios of
> softrock type as "./quisk_hardware_model.py",
> which is misleading at the very least.
>
> When I run under su, that line is auto filled as "softrock/hardware_usb.py"
>
> That is the correct entry when not su as well.
>
> I now have a complete radio. Thanks to you all.
>
> Chuck w8mqw
>
>
>
>

2383. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-22 17:32:59 UTC
From: Michael Durkin
Topic: 2363 Message: 2383

What OS are you using? I'm going to guess fedora ....

Need to find the commands file changed to enable permissions for normal user ....

It used to be in the quisk help files but it's not there anymore.

On May 22, 2017 9:14 AM, "maccluer13@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Excellent! Running Quisk as su works (after setting up a config file as
> before). I now have full control of the Si570 and all works as should.
>
> So there is some USB permission trouble as ordinary user? I don't have
> that problem with usbsoftrock.
>
>

2384. Re: [n2adr-sdr] Re: Quisk with RPi3 has no USB control of Softrock Ensemble RX II

Yahoo group: n2adr-sdr
Date: 2017-05-23 12:29:58 UTC
From: Sid Boyce
Topic: 2363 Message: 2384

"python setup.py install" is an alternative.

Permissions:- Mode="0666" in 99-softrock.rules also sets them and
creates /dev/softrock..

Copy and paste the next to /etc/udev/rules.d/99-softrock.rules
---------- CUT

SUBSYSTEM=="usb", ACTION=="add", ATTR{idVendor}=="16c0",
ATTR{idProduct}=="05dc", MODE="0666", GROUP="dialout", SYMLINK+="softrock"
---------- CUT
---
73 ... Sid.

On 22/05/17 18:36, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Reason usbsoftrock worked is when you build it .... last step is usally
>
> Sudo make install .... which is enabling certain permissions.
>
> On May 22, 2017 10:33 AM, "maccluer13@...
> <mailto:maccluer13@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> SOLVED!? In the Configuration under the Ensemble II radio I am
> trying to setup,? the line "hardware path" is filed in by choosing
> radios of softrock type as "./quisk_hardware_model.py",
>
> which is misleading at the very least.?
>
> When I run under su, that line is auto filled as
> "softrock/hardware_usb.py"
>
> That is the correct entry when not su as well.
>
> I now have a complete radio. Thanks to you all.
>
> Chuck w8mqw
>
> ? ? ? ?
>
>

--
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2385. No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 01:39:10 UTC
From: maccluer13@...
Topic: 2385 Message: 2385

My Softrock RXTX is performing nominally (under HDSDR) on both RX and TX. However, with Quisk, although the receiver functions flawlessly, the radio will not transmit.

The issue is simply that no matter what sound card is assigned to send TX I/Q audio from the RPi3 to the radio (during PTT), no audio emerges from the sound card. (The Softrock PTT voltages are being keyed correctly by Quisk.)

What Quisk software switches must be thrown to change a RX Ensemble into a RXTX?

2386. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 02:30:12 UTC
From: Michael Durkin
Topic: 2385 Message: 2386

So the radio is changing over ...
Just no audio ?

Ill assume your using ALSA since pulseaudio is not installed by defalt on Raspbian ....

Use some headphones to see if you hear anything on the USB souncard ....

Make sure HDMI sound is disabled ....

Are you using plughw: or just plain hw: for the designator?

On May 26, 2017 6:39 PM, "maccluer13@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

My Softrock RXTX is performing nominally (under HDSDR) on both RX and TX. However, with Quisk, although the receiver functions flawlessly, the radio will not transmit.

The issue is simply that no matter what sound card is assigned to send TX I/Q audio from the RPi3 to the radio (during PTT), no audio emerges from the sound card. (The Softrock PTT voltages are being keyed correctly by Quisk.)

What Quisk software switches must be thrown to change a RX Ensemble into a RXTX?

2387. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 08:50:24 UTC
From: Sid Boyce
Topic: 2385 Message: 2387

I think --- HDSDR is Windows.

On 27/05/17 03:30, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> So the radio is changing over ...?
> Just no audio ?
>
> Ill assume your using ALSA since pulseaudio is not installed by defalt
> on Raspbian ....
>
> Use some headphones to see if you hear anything on the USB souncard ....
>
> Make sure HDMI sound is disabled ....
>
> Are you using plughw: or just plain hw: for the designator?
>
>
>
>
> On May 26, 2017 6:39 PM, "maccluer13@...
> <mailto:maccluer13@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> My Softrock RXTX is performing nominally (under HDSDR) on both RX
> and TX.? However, with Quisk, ? although the receiver functions
> flawlessly, the radio will not transmit.
>
>
> ? The issue is simply that no matter what sound card is assigned
> to send TX I/Q audio from the RPi3 to the radio (during PTT), no
> audio emerges from the sound card. (The Softrock PTT voltages are
> being keyed correctly by Quisk.)
>
>
> What Quisk software switches must be thrown to change a RX
> Ensemble into a RXTX?
>
>
>

--
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2388. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 08:57:39 UTC
From: Sid Boyce
Topic: 2385 Message: 2388

Should have read below.
with quisk running, check if pulseaudio is running and the status under
"fuser -v /dev/snd/*"
It could also be audio settings:-
lin_microphone_name
lin_name_of_sound_capt
73 ... Sid.

On 27/05/17 03:30, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> So the radio is changing over ...Â
> Just no audio ?
>
> Ill assume your using ALSA since pulseaudio is not installed by defalt
> on Raspbian ....
>
> Use some headphones to see if you hear anything on the USB souncard ....
>
> Make sure HDMI sound is disabled ....
>
> Are you using plughw: or just plain hw: for the designator?
>
>
>
>
> On May 26, 2017 6:39 PM, "maccluer13@...
> <mailto:maccluer13@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Â
>
> My Softrock RXTX is performing nominally (under HDSDR) on both RX
> and TX.Â However, with Quisk, Â although the receiver functions
> flawlessly, the radio will not transmit.
>
>
> Â The issue is simply that no matter what sound card is assigned
> to send TX I/Q audio from the RPi3 to the radio (during PTT), no
> audio emerges from the sound card. (The Softrock PTT voltages are
> being keyed correctly by Quisk.)
>
>
> What Quisk software switches must be thrown to change a RX
> Ensemble into a RXTX?
>
>

>

--
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2389. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 14:26:56 UTC
From: maccluer13@...
Topic: 2385 Message: 2389

---In n2adr-sdr@yahoogroups.com, <kc7noa@...> wrote :

So the radio is changing over ... Just no audio ?

Ill assume your using ALSA since pulseaudio is not installed by defalt on Raspbian ....

Use some headphones to see if you hear anything on the USB souncard ....

Make sure HDMI sound is disabled ....

Are you using plughw: or just plain hw: for the designator?

########################## reply ##########################

Yes, the radio is changing over. I get output if I apply an external audio generator to the "line out" jack of the Softrock.

I am indeed using alsa.

I did use headphones --- nada.

HDMI is disabled. (The receiver plays beautifully.)

I use fragments of the descriptor for the sound card, for instance "alsa:SB X-Fi"
for a Sound Blaster X-Fi Surround sound (SB 1095). These fragments work fine
for receive and Quisk displays their full names.

2390. Re: No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 14:27:48 UTC
From: maccluer13@...
Topic: 2385 Message: 2390

Yes, HDSDR is under Windows. I mentioned that to assure everyone that the Softrock was completely operational.

2391. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 18:38:58 UTC
From: Michael Durkin
Topic: 2385 Message: 2391

Yea ... 2 diferent systems ...

Unless hes using win10 on Rpi3 .... I didn't think that was ready yet

On May 27, 2017 1:50 AM, "Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

> I think --- HDSDR is Windows.
>
> On 27/05/17 03:30, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> > So the radio is changing over ...Â
> > Just no audio ?
> >
> > Ill assume your using ALSA since pulseaudio is not installed by defalt
> > on Raspbian ....
> >
> > Use some headphones to see if you hear anything on the USB souncard ....
> >
> > Make sure HDMI sound is disabled ....
> >
> > Are you using plughw: or just plain hw: for the designator?
> >
> >
> >
> >
> > On May 26, 2017 6:39 PM, "maccluer13@...
> > <mailto:maccluer13@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >
> > Â
> >
> > My Softrock RXTX is performing nominally (under HDSDR) on both RX
> > and TX.Â However, with Quisk, Â although the receiver functions
> > flawlessly, the radio will not transmit.
> >
> >
> > Â The issue is simply that no matter what sound card is assigned
> > to send TX I/Q audio from the RPi3 to the radio (during PTT), no
> > audio emerges from the sound card. (The Softrock PTT voltages are
> > being keyed correctly by Quisk.)
> >
> >
> > What Quisk software switches must be thrown to change a RX
> > Ensemble into a RXTX?
> >
> >

> >
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>
> --
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2392. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 18:55:59 UTC
From: maccluer13@...
Topic: 2385 Message: 2392

Sid:

Do I need pulse audio running for Quisk? All the receive audio is done successfully with alsa.

Chuck

2393. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 18:58:26 UTC
From: Michael Durkin
Topic: 2385 Message: 2393

Are there any errors or complaints when you launch quick from a terminal ..
when trting to tx

On May 27, 2017 11:56 AM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Sid:
>
> Do I need pulse audio running for Quisk? All the receive audio is done
> successfully with alsa.
>
> Chuck
>
>

2394. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-27 19:44:42 UTC
From: Sid Boyce
Topic: 2385 Message: 2394

alsa should be fine.

lin_microphone_name should point to the same sound card as
lin_name_of_sound_play -- for Mic and speakers.
"lin_name_of_mic_play" should point to the card that connects to the
RXTX Line Out.
Designators for alsa shoulde be:-
"hw:0" # First sound card
"hw:1" # Second sound card, etc.
"plughw" # plug device
"default" # alsa default device

Check with alsamixer to make sure Mic is not muted (MM) or set too low.
If it's muted M will unmute it.
73 ...Sid.

On 27/05/17 19:58, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Are there any errors or complaints when you launch quick from a
> terminal .. when trting to tx
>
> On May 27, 2017 11:56 AM, "maccluer13@...
> <mailto:maccluer13@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Sid:
>
>
> ? Do I need pulse audio running for Quisk? All the receive audio
> is done successfully with alsa.
>
> Chuck
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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2395. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-28 09:46:45 UTC
From: nick
Topic: 2385 Message: 2395

On 27/05/17 15:26, maccluer13@... [n2adr-sdr] wrote:
> I use fragments of the descriptor for the sound card, for instance "alsa:SB X-Fi"
> for a Sound Blaster X-Fi Surround sound (SB 1095). These fragments work fine
> for receive and Quisk displays their full names.
>

Please post your ~/quisk_settings.json.

Snip out all the band edge and band labels stuff.

2396. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-28 20:52:34 UTC
From: maccluer13@...
Topic: 2385 Message: 2396

Here is my quisk_settings.json with the band edges snipped attached:


```
[
"RxTxEnsemble",
"RxTxEnsemble",
[
"RX Ensemble II",
"RxTxEnsemble"
],
[
{
"cwTone": "600",
"mic_out_volume": "0.7",
"usb_product_id": "0x05dc",
"window_width": "-1",
"graph_refresh": "7",
"lin_digital_output_name": "",
"key_poll_msec": "0",
"mic_play_chan_Q": "1",
"hamlib_port": "4575",
"window_posX": "-1",
"window_posY": "-1",
"mic_play_chan_I": "0",
"dxClExpireTime": "20",
"pulse_audio_verbose_output": "0",
"usb_vendor_id": "0x16c0",
"si570_direct_control": "False",
"graph_msg_font_size": "14",
"rx_max_amplitude_correct": "0.2",
"rx_max_phase_correct": "10.0",
"digital_output_level": "0.7",
"default_font_size": "12",
"correct_smeter": "15.5",
"add_fdx_button": "0",
"default_screen": "Graph",
"lin_data_poll_usec": "5000",
"channel_delay": "-1",
"mic_sample_rate": "48000",
"use_rx_udp": "0",
"mic_channel_Q": "0",
"lin_digital_input_name": "",
"favorites_font_size": "14",
"keyupDelay": "23",
"si570_i2c_address": "0x55",
"lin_name_of_sound_capt": "alsa:SB X-Fi",
```

```
"hardware_file_type": "SoftRock USB",
"freedv_tx_msg": "",
"dxClHost": "",
"config_font_size": "14",
"window_height": "-1",
"do_repeater_offset": "False",
"tx_channel_delay": "-1",
"button_layout": "Large screen",
"bandTransverterOffset": {},
"agc_release_time": "1.0",
"channel_q": "0",
"use_sdriq": "0",
"BandEdge": {
"10": [
]
},
"lin_quisk_typeface": "",
"si570_xtal_freq": "114285000",
"channel_i": "1",
"use_unicode_symbols": "True",
"user_call_sign": "",
"hardware_file_name": "softrock/hardware_usb.py",
"widgets_file_name": "softrock/widgets_tx.py",
"invertSpectrum": "0",
"repeater_delay": "0.25",
"split_rxtx": "2",
"add_freedv_button": "1",
"favorites_file_path": "",
"display_fraction": "1.0",
"lin_sample_playback_name": "",
"button_font_size": "10",
"lin_digital_rx1_name": "",
"digital_xmlrpc_url": "http://localhost:7362",
"max_record_minutes": "1.0",
"graph_font_size": "10",
"add_extern_demod": "",
"graph_width": "0.8",
"spot_button_keys_tx": "False",
"lin_name_of_mic_play": "",
"freq_base": "0",
"lin_name_of_sound_play": "alsa:bcm2835",
"mic_channel_I": "0",
"add_imd_button": "0",
"lin_latency_millisecs": "150",
"graph_peak_hold_2": "0.1",
"graph_peak_hold_1": "0.25",
"freq_spacing": "0",
"hamlib_ip": "localhost",
"dxClPort": "7373",
"mic_playback_rate": "48000",
```

```
"use_sidetone": "0",
"agc_max_gain": "15000.0",
"fft_size_multiplier": "0",
"bandLabels": [
"Audio",
"160",
"80",
[
"60",
"60",
"60",
"60",
"60"
],
"40",
"30",
"20",
"17",
"15",
"12",
"10",
[
"Time",
"Time",
"Time",
"Time",
"Time",
"Time",
"Time",
"Time"
]
],
"IQ_Server_IP": "",
"color_scheme": "A",
"decorate_buttons": "True",
"status_font_size": "14",
"key_hang_time": "0.7",
"modulation_index": "1.67",
"lin_microphone_name": "",
"dxClPassword": "",
"station_display_lines": "1",
"waterfall_palette": "A",
"sample_rate": "48000"
},
{
"cwTone": "600",
"mic_out_volume": "0.7",
"win_quisk_typeface": "Lucida Sans Unicode",
"window_width": "-1",
"fft_size_multiplier": "0",
```

```
"lin_digital_output_name": "",
"key_poll_msec": "0",
"mic_play_chan_Q": "0",
"hamlib_port": "4575 # Standard port for Quisk",
"window_posX": "-1",
"window_posY": "-1",
"mic_play_chan_I": "1",
"dxClExpireTime": "20",
"pulse_audio_verbose_output": "0",
"usb_vendor_id": "0x16c0",
"usb_product_id": "0x05dc",
"si570_direct_control": "True",
"color_scheme": "A",
"rx_max_amplitude_correct": "0.2",
"rx_max_phase_correct": "10.0",
"digital_output_level": "0.7",
"default_font_size": "12",
"correct_smeter": "15.5",
"add_fdx_button": "0",
"win_digital_input_name": "",
"lin_name_of_sound_capt": "alsa:SB X-Fi",
"lin_data_poll_usec": "5000",
"channel_delay": "-1",
"mic_sample_rate": "48000",
"use_rx_udp": "0",
"mic_channel_Q": "1",
"lin_digital_input_name": "",
"favorites_font_size": "14",
"keyupDelay": "23",
"si570_i2c_address": "0x70",
"win_sample_playback_name": "",
"playback_rate": "48000",
"hardware_file_type": "SoftRock USB",
"freedv_tx_msg": "",
"dxClHost": "",
"win_latency_millisecs": "150",
"win_digital_output_name": "",
"config_font_size": "14",
"window_height": "-1",
"repeater_delay": "0.25",
"tx_channel_delay": "-1",
"button_layout": "Large screen",
"bandTransverterOffset": {},
"agc_release_time": "1.0",
"channel_q": "0",
"use_sdriq": "0",
"BandEdge": {
"10": [
]
},
```

```
"lin_quisk_typeface": "",
"si570_xtal_freq": "114285000",
"channel_i": "1",
"use_unicode_symbols": "True",
"user_call_sign": "w8mqw",
"hardware_file_name": "softrock/hardware_usb.py",
"widgets_file_name": "softrock/widgets_tx.py",
"invertSpectrum": "0 # Do not invert",
"do_repeater_offset": "False",
"split_rxtx": "1 # Play both, the higher frequency on real",
"add_freedv_button": "1",
"favorites_file_path": "",
"win_data_poll_usec": "15000",
"display_fraction": "1.00",
"lin_sample_playback_name": "",
"freq_spacing": "0",
"win_name_of_sound_capt": "Primary",
"lin_digital_rx1_name": "",
"win_digital_rx1_name": "",
"digital_xmlrpc_url": "http://localhost:7362",
"max_record_minutes": "1.00",
"graph_font_size": "10",
"add_extern_demod": "",
"win_name_of_mic_play": "",
"graph_width": "0.8",
"spot_button_keys_tx": "True",
"win_name_of_sound_play": "Primary",
"lin_name_of_mic_play": "alsa:SB X-Fi",
"win_microphone_name": "",
"freq_base": "0",
"lin_name_of_sound_play": "alsa:bcm2835",
"mic_channel_I": "1",
"add_imd_button": "0",
"lin_latency_millisecs": "150",
"graph_peak_hold_2": "0.10",
"graph_peak_hold_1": "0.25",
"button_font_size": "10",
"hamlib_ip": "localhost",
"dxClPort": "7373",
"mic_playback_rate": "48000",
"use_sidetone": "1",
"agc_max_gain": "15000.0",
"graph_refresh": "7",
"bandLabels": [
"Audio",
"80",
[
"60",
"60",
"60",
```

```
"60",
"60"
],
"40",
[
"Time",
"Time",
"Time",
"Time",
"Time",
"Time",
"Time",
"Time"
]
],
"IQ_Server_IP": "",
"graph_msg_font_size": "14",
"decorate_buttons": "True",
"status_font_size": "14",
"key_hang_time": "0.7",
"default_screen": "Graph",
"modulation_index": "1.67",
"lin_microphone_name": "",
"dxClPassword": "",
"station_display_lines": "1",
"waterfall_palette": "A",
"sample_rate": "48000"
}
]
]
```

2397. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-29 13:05:13 UTC
From: nick
Topic: 2385 Message: 2397

On 28/05/17 21:52, maccluer13@... [n2adr-sdr] wrote:
> Here is my quisk_settings.json with the band edges snipped attached:

The comments in quisk_conf_defaults.py are very useful when trying to
get TX to work.

> "key_poll_msec": "0",

Poll time must be set for CW.

e.g. "key_poll_msec": "5",

> "lin_name_of_sound_capt": "alsa:SB X-Fi",
> "lin_name_of_mic_play": "alsa:SB X-Fi",
> "lin_name_of_sound_play": "alsa:bcm2835",
> "lin_microphone_name": "",

lin_microphone_name must be set to something, even for CW.

e.g. "lin_microphone_name": "alsa:bcm2835",

HTH

Nick
G3VNC

2398. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-29 13:11:37 UTC
From: maccluer13@...
Topic: 2385 Message: 2398

Nick:

Thank you very much. It took only about 10 minutes to set up Quisk on Windows, where everything worked gangbusters.

With the Linux I erased the .quisk_config.py and the psy, then recompiled everything. Once reset up, the result was the same: RX but no TX.

I'll try your settings today. I assume you mean to change these in .quisk_config.py, not default

Chuck w8mqw

2399. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-29 19:00:03 UTC
From: nick
Topic: 2385 Message: 2399

Chuck

On 29/05/17 14:11, maccluer13@... [n2adr-sdr] wrote:
> I'll try your settings today. I assume you mean to change these in .quisk_config.py, not default

You can make the suggested changes through the GUI, which in turn
changes the settings in quisk_settings.json.

You should never need to make manual changes to ~/quisk_settings.json,
and I would not advise doing so.

It is very easy to break the syntax so that quisk completely ignores the
file. Of course you can just delete it and a new one (populated with
defaults) is created the next time you start quisk.

I only use ~/.quisk_conf.py where I need to change the default settings
in quisk_conf_defaults.py and there is no GUI support.

You should not make any changes to quisk_conf_defaults.py.

As always back up your configuration before making any changes.

73
Nick
G3VNC

2400. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-29 20:07:25 UTC
From: maccluer13@...
Topic: 2385 Message: 2400

Nick:

Success!

I started over: erased .quisk_config.ps and the quisk_settings.json, then recompiled. Then modified the json file as you suggested. Oddly, the Sound Blaster SB-1095, unlike in the Windows version of Quisk, cannot serve as both RX capture and TX I/Q out---its TX output is very weak. When I switched to the onboard Kuman PiFi DAC+ for TX, all was ideal---full output of 1.5 watts.

However, CW does not work. Do you know if Quisk supports the paddle input of the Softrock RXTX?

Thanks you for your help.

Chuck w8mqw

---In n2adr-sdr@yahoogroups.com, <g3vnc@...> wrote :

Chuck

On 29/05/17 14:11, maccluer13@... mailto:maccluer13@... [n2adr-sdr] wrote:
> I'll try your settings today. I assume you mean to change these in .quisk_config.py, not default

You can make the suggested changes through the GUI, which in turn
changes the settings in quisk_settings.json.

You should never need to make manual changes to ~/quisk_settings.json,
and I would not advise doing so.

It is very easy to break the syntax so that quisk completely ignores the
file. Of course you can just delete it and a new one (populated with
defaults) is created the next time you start quisk.

I only use ~/.quisk_conf.py where I need to change the default settings
in quisk_conf_defaults.py and there is no GUI support.

You should not make any changes to quisk_conf_defaults.py.

As always back up your configuration before making any changes.

73
Nick
G3VNC

2401. Re: [n2adr-sdr] No TX I/Q audio is being sent to the Software RXTX

Yahoo group: n2adr-sdr
Date: 2017-05-30 10:25:43 UTC
From: nick
Topic: 2385 Message: 2401

Chuck

On 29/05/17 21:07, maccluer13@... [n2adr-sdr] wrote:
> I started over: erased .quisk_config.ps and the quisk_settings.json, then recompiled. Then modified the json file as you suggested.

You did not need to recompile. Did you use the GUI to configure those settings as I suggested? If you edited quisk_settings.json directly then erasing it and starting from scratch was probably a good idea. If possible make all changes through the GUI; do not edit quisk_settings.json directly

> Oddly, the Sound Blaster SB-1095, unlike in the Windows version of Quisk, cannot serve as both RX capture and TX I/Q out---its TX output is very weak.

Sounds like the problem is that the TX drive is low, not that you cannot use the SB1095 for both RXIQ and TXIQ. Try using alsamixer to set the TX level for the SB1095.

> When I switched to the onboard Kuman PiFi DAC+ for TX, all was ideal---full output of 1.5 watts.

The maximum rated output of the SR is 1W. Above that level the out-of-band spurious emissions increase rapidly. Suggest you limit the level of the TX IQ signals at the "Line-Out" connector to 0.7V rms i.e. 2V pkpk. I use a scope to set mine.

> However, CW does not work. Do you know if Quisk supports the paddle input of the Softrock RXTX?

Yes it does; I use it all the time. When you press the key both the SR and quisk should go to TX. Semi break-in CW operation.

Does PTT work on SSB?

Does the SR go to TX when you press the key? Check with a scope.

Does quisk go to TX when you press the key?

Is there any TX IQ audio coming out of quisk on CW? Check with a scope; On TX you should see an audio tone on key down.

73
Nick
G3VNC

2402. Softrock RXTX will not do CW under Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-01 19:36:59 UTC
From: maccluer13@...
Topic: 2402 Message: 2402

Last problem (I promise): The RXTX transmits SSB, FM, AM, but not CW with a paddle plugged into the paddle jack. (It does work under Rocky.)

What software switch must be thrown?

Chuck w8mqw

2403. Re: [n2adr-sdr] Softrock RXTX will not do CW under Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-01 20:00:08 UTC
From: Michael Durkin
Topic: 2402 Message: 2403

On your tab that you created for your radio ....

The first sub tab is "hardware"
Change
Key poll time msec to 5 or lower/larger number .... tune it to your system.

On Jun 1, 2017 12:37 PM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

Last problem (I promise): The RXTX transmits SSB, FM, AM, but not CW with a
paddle plugged into the paddle jack. (It does work under Rocky.)

What software switch must be thrown?

Chuck w8mqw

2404. Re: Softrock RXTX will not do CW under Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-01 21:21:24 UTC
From: maccluer13@...
Topic: 2402 Message: 2404

I forgot to mention that I am trying to do CW under Raspian on Raspberry Pi3. I reduced the poll time to 0 some time ago.

---In n2adr-sdr@yahoogroups.com, <kc7noa@...> wrote :

On your tab that you created for your radio ....

The first sub tab is "hardware"
Change
Key poll time msec to 5 or lower/larger number .... tune it to your system.

On Jun 1, 2017 12:37 PM, "maccluer13@... mailto:maccluer13@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com mailto:n2adr-sdr@yahoogroups.com> wrote:

Last problem (I promise): The RXTX transmits SSB, FM, AM, but not CW with a paddle plugged into the paddle jack. (It does work under Rocky.)

What software switch must be thrown?

Chuck w8mqw

2405. Re: [n2adr-sdr] Re: Softrock RXTX will not do CW under Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-01 22:09:24 UTC
From: Michael Durkin
Topic: 2402 Message: 2405

Poll of 0 is off

On Jun 1, 2017 2:21 PM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I forgot to mention that I am trying to do CW under Raspian on Raspberry
> Pi3. I reduced the poll time to 0 some time ago.
>
>
> ---In n2adr-sdr@yahoogroups.com, <kc7noa@...> wrote :
>
> On your tab that you created for your radio ....
>
> The first sub tab is "hardware"
> Change
> Key poll time msec to 5 or lower/larger number .... tune it to your system.
>
> On Jun 1, 2017 12:37 PM, "maccluer13@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>
>
>
> Last problem (I promise): The RXTX transmits SSB, FM, AM, but not CW with
> a paddle plugged into the paddle jack. (It does work under Rocky.)
>
>
> What software switch must be thrown?
>
>
> Chuck w8mqw
>
>
>
>

2406. Re: [n2adr-sdr] Re: Softrock RXTX will not do CW under Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-02 20:54:56 UTC
From: maccluer13@...
Topic: 2402 Message: 2406

Thank you. It works on CW.

2407. Ground-loop isolator makes huge difference in Softrock TX with RPi3 + PiFi

Yahoo group: n2adr-sdr
Date: 2017-06-02 21:11:47 UTC
From: maccluer13@...
Topic: 2407 Message: 2407

I have a Softrock RXTX under Quisk running on a Raspberry Pi3. The TX transmit I/Q audio is supplied by the piggyback Kuman PiFi Digi DAC+, which is otherwise a good unit. However, when used with the TX there is a ground loop that severely increases received noise (by > 10 dB).

With the addition of the $7 Vodool from Ebay http://www.ebay.com/itm/302266695807 http://www.ebay.com/itm/302266695807 the receiver floor returns to the level (-130 dBm) when the TX line is unplugged.

Great product.

2408. Re: [n2adr-sdr] Ground-loop isolator makes huge difference in Softrock TX with RPi3 + PiFi

Yahoo group: n2adr-sdr
Date: 2017-06-02 23:31:10 UTC
From: Michael Durkin
Topic: 2407 Message: 2408

Ground loop or desense

On Jun 2, 2017 2:15 PM, "maccluer13@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I have a Softrock RXTX under Quisk running on a Raspberry Pi3. The TX
> transmit I/Q audio is supplied by the piggyback Kuman PiFi Digi DAC+,
> which is otherwise a good unit. However, when used with the TX there is a
> ground loop that severely increases received noise (by > 10 dB).
>
>
> With the addition of the $7 Vodool from Ebay http://www.ebay.com/itm/
> 302266695807 the receiver floor returns to the level (-130 dBm) when the
> TX line is unplugged.
>
>
> Great product.
>
>

2409. Quisk Version 4.1.7

Yahoo group: n2adr-sdr
Date: 2017-06-06 19:29:06 UTC
From: jahlstr@...
Topic: 2409 Message: 2409

This version merges all Hermes Lite 1 and 2 features with the regular Quisk distribution. There is no longer a need for a special Hermes Lite version. If you have a Hermes Lite 2, please use the latest firmware with version 40 and up. The extra data windows and settings for HL2 will appear when using HL1, but will be invalid. I will fix this when everyone updates to the latest HL2 firmware.

Robert, DM4RW contributed a bug fix for CW. Thanks Robert!

Jim

N2ADR

2410. Re: Quisk Version 4.1.7

Yahoo group: n2adr-sdr
Date: 2017-06-07 14:16:50 UTC
From: dh5ym@...
Topic: 2409 Message: 2410

Hi Jim,

great ! Thanks a lot.
Interesting project with Hermes Lite 2.

regards
Mario

2411. Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-07 22:30:29 UTC
From: keith.bellairs@...
Topic: 2411 Message: 2411

Getting my new softrock rxtx going. Is there a cookbook set of instructions?

My setup is as follows:
Ubuntu 16.04 O/S
Pulseaudio to an on MB 7.1/5.1/... soundcard
wsjtx 1.7.0
Quisk 4.1.3
line in/lineout/USB to softrock rxtx

The SR rig receives fine. And when I press Tune in wsjtx I see energy on my ant (a whole watt). But I am concerned that the output of wsjtx is going to line out which is the same place I am sending Quisk play radio sound and play mic sound. It feels like that cannot be right. But it seems to be the only way for me to get output.

Is there a file with directions to help?

Keith AB1FD

2412. Re: [n2adr-sdr] Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-07 22:53:26 UTC
From: Michael Durkin
Topic: 2411 Message: 2412

Do you have snd-aloop working properly?

On Jun 7, 2017 3:30 PM, "keith.bellairs@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Getting my new softrock rxtx going. Is there a cookbook set of
> instructions?
>
>
> My setup is as follows:
>
> Ubuntu 16.04 O/S
>
> Pulseaudio to an on MB 7.1/5.1/... soundcard
>
> wsjtx 1.7.0
>
> Quisk 4.1.3
>
> line in/lineout/USB to softrock rxtx
>
>
> The SR rig receives fine. And when I press Tune in wsjtx I see energy on
> my ant (a whole watt). But I am concerned that the output of wsjtx is going
> to line out which is the same place I am sending Quisk play radio sound and
> play mic sound. It feels like that cannot be right. But it seems to be the
> only way for me to get output.
>
>
> Is there a file with directions to help?
>
>
> Keith AB1FD
>
>
>
>
>

2413. Re: [n2adr-sdr] Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-08 01:44:37 UTC
From: Eric Thornton
Topic: 2411 Message: 2413

Keith,

No need for the snd-alsa loop. Pulseaudio is great for this type of routing between programs and radio program output. I have a setup on my old page http://km4dsj.wordpress.com but that is with an older version of quisk that used the old quick_conf.py file. It's also way more complicated than your case since the pulse audio backend has been rewritten since. However, the principle should be the same with the new setup. You can also use the program "pavucontrol" to see where your streams are going. You can also move the streams between programs, even if the program selected a non desired output. It's definitely useful.

My soft rock rig has been sitting in a box for the last 6 months and quisk is not installed on this laptop right now, otherwise I could be of slightly more help.

Eric
WW4ET

On Wed, Jun 7, 2017 at 6:30 PM, keith.bellairs@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Getting my new softrock rxtx going. Is there a cookbook set of
> instructions?
>
>
> My setup is as follows:
>
> Ubuntu 16.04 O/S
>
> Pulseaudio to an on MB 7.1/5.1/... soundcard
>
> wsjtx 1.7.0
>
> Quisk 4.1.3
>
> line in/lineout/USB to softrock rxtx
>
>
> The SR rig receives fine. And when I press Tune in wsjtx I see energy on
> my ant (a whole watt). But I am concerned that the output of wsjtx is going
> to line out which is the same place I am sending Quisk play radio sound and
> play mic sound. It feels like that cannot be right. But it seems to be the
> only way for me to get output.

>
>
> Is there a file with directions to help?
>
>
> Keith AB1FD
>
>
>
>

2414. Re: Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-08 22:31:42 UTC
From: keith.bellairs@...
Topic: 2411 Message: 2414

Here's where I am so far.

snd_aloop was a great hint. The alsa loop is full duplex. I am trying to make pulseaudio work with new "sinks". The digital out from quisk would be a sink and the output of quisk would be a sink. Pulseaudio sinks are half duplex - one way. So the quiskoutput sink is picked up in wsjtx by quiskoutput.monitor. And the wsjtxoutput sink is read by wsjtxoutput.monitor in quisk digital_in. (Of course it takes a few setup commands to create the non-default sinks.)

So this approach works 100% for fldigi. For wsjtx it works 50% - wsjtx input is configured to connect to quiskout.monitor and works like a charm. The output side of wsjtx is connected to "fldigiout" (It's just a name; it's just a sink for the wsktx output.) When wsjtx tries to transmit I see a blip on my power meter to the ant, and then nothing. Somehow a configuration that works FB for fldigi fails for wsjtx. I have to figure out what's different. (And not break fldigi.)

Eric - took a look at your blog page. That's amazing. It will take me some time to understand what's going on there. But I do plan to move my softrock to rpi one of these days. First things first - I want to get back on the air.

here are the commands I am using to configure pulse:

```
pactl load-module module-null-sink sink_name=quiskout
pactl load-module module-null-sink sink_name=fldigiout
pacmd update-sink-proplist quiskout device.description=quiskout
pacmd update-sink-proplist fldigiout device.description=fldigiout
pacmd update-source-proplist quiskout.monitor device.description=quiskout.monitor
pacmd update-source-proplist fldigiout.monitor device.description=fldigiout.monitor
```

Then use pavucontrol to be sure quisk and wsjtx are configured to "do the right thing/"

Keith AB1FD

2415. Re: [n2adr-sdr] Re: Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-08 22:37:46 UTC
From: Michael Durkin
Topic: 2411 Message: 2415

If you ever want to run a mode thats not covered by fldigi or jt .... like packet. I ended up just using another soundcard -- yes, i gave up on the software intercabeling

On Jun 8, 2017 3:31 PM, "keith.bellairs@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Here's where I am so far.
>
> snd_aloop was a great hint. The alsa loop is full duplex. I am trying to make pulseaudio work with new "sinks". The digital out from quisk would be a sink and the output of quisk would be a sink. Pulseaudio sinks are half duplex - one way. So the quiskoutput sink is picked up in wsjtx by quiskoutput.monitor. And the wsjtxoutput sink is read by wsjtxoutput.monitor in quisk digital_in. (Of course it takes a few setup commands to create the non-default sinks.)
>
> So this approach works 100% for fldigi. For wsjtx it works 50% - wsjtx input is configured to connect to quiskout.monitor and works like a charm. The output side of wsjtx is connected to "fldigiout" (It's just a name; it's just a sink for the wsktx output.) When wsjtx tries to transmit I see a blip on my power meter to the ant, and then nothing. Somehow a configuration that works FB for fldigi fails for wsjtx. I have to figure out what's different. (And not break fldigi.)
>
> Eric - took a look at your blog page. That's amazing. It will take me some time to understand what's going on there. But I do plan to move my softrock to rpi one of these days. First things first - I want to get back on the air.
>
> here are the commands I am using to configure pulse:
>
> pactl load-module module-null-sink sink_name=quiskout
> pactl load-module module-null-sink sink_name=fldigiout
> pacmd update-sink-proplist quiskout device.description=quiskout
> pacmd update-sink-proplist fldigiout device.description=fldigiout
> pacmd update-source-proplist quiskout.monitor device.description=quiskout.
> monitor
> pacmd update-source-proplist fldigiout.monitor
> device.description=fldigiout.monitor
>
> Then use pavucontrol to be sure quisk and wsjtx are configured to "do the
> right thing/"

>
>
> Keith AB1FD
>
>

2416. Re: [n2adr-sdr] Re: Setting up softrock rxtx -> Quisk -> wsjtx (pulseaudio)

Yahoo group: n2adr-sdr
Date: 2017-06-09 07:54:20 UTC
From: dh5ym@...
Topic: 2411 Message: 2416

I had some success with Alsa loopback. I frequently use it to attach a CWSkimmer which runs under wine. With pulseaudio i usually have the problem that it resamples to 48kSpl/s internally which i do not like.
I also used to connect FreeDV via Pulse in the past but usually connecting it to the "Monitor of ...".

2417. FreeDV in Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-09 19:57:01 UTC
From: Robert Nickels
Topic: 2417 Message: 2417

One of the neat features of Quisk is the inclusion of FreeDV mode. I had this working several months ago but getting it going was an arduous process (which I've subsequently forgotten!) and after recently re-installing and updating to Quisk 4.1.7, the FDV button is enabled in my config file but is again greyed-out and not available. The same codec2 is present as before and other than Quisk nothing else was changed, but it sure isn't coming up working as it's supposed to. The OS is Raspbian Jessie v8.

I'm wondering if anyone might have some tips to help restore the FreeDV mode?

Thanks and 73,
Bob W9RAN

2418. Re: [n2adr-sdr] FreeDV in Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-09 20:10:05 UTC
From: Sid Boyce
Topic: 2417 Message: 2418

Check the libraries in freedvpkg directory are for the platform.
Jim normally includes x86 libraries.
I usually replace them with the ones from the previous quisk version
which I originally copied from the ones I built and installed in
/usr/local/lib

e.g:-
root@hiqsdr64:~# file /opt/quisk-4.1.7/freedvpkg/libcodec2.so.0.6
/opt/quisk-4.1.7/freedvpkg/libcodec2.so.0.6: ELF 64-bit LSB shared
object, ARM aarch64, version 1 (SYSV), dynamically linked,
BuildID[sha1]=071033215ac0e0694d626a418e766ec101b1bbf5, not stripped
73 ... Sid.

On 09/06/17 20:57, Robert Nickels w9ran@... [n2adr-sdr] wrote:
>
> One of the neat features of Quisk is the inclusion of FreeDV mode. I
> had this working several months ago but getting it going was an arduous
> process (which I've subsequently forgotten!) and after recently
> re-installing and updating to Quisk 4.1.7, the FDV button is enabled in
> my config file but is again greyed-out and not available. The same
> codec2 is present as before and other than Quisk nothing else was
> changed, but it sure isn't coming up working as it's supposed to. The
> OS is Raspbian Jessie v8.
>
> I'm wondering if anyone might have some tips to help restore the FreeDV
> mode?
>
> Thanks and 73,
> Bob W9RAN
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2419. Re: [n2adr-sdr] FreeDV in Quisk

Yahoo group: n2adr-sdr
Date: 2017-06-09 21:02:02 UTC
From: Michael Durkin
Topic: 2417 Message: 2419

Update or build from recent ... and copy codec2 into the freedv folder ...
remove what was there before ... re-make quisk and install .... should work

On Jun 9, 2017 12:57 PM, "Robert Nickels w9ran@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> One of the neat features of Quisk is the inclusion of FreeDV mode. I
> had this working several months ago but getting it going was an arduous
> process (which I've subsequently forgotten!) and after recently
> re-installing and updating to Quisk 4.1.7, the FDV button is enabled in
> my config file but is again greyed-out and not available. The same
> codec2 is present as before and other than Quisk nothing else was
> changed, but it sure isn't coming up working as it's supposed to. The
> OS is Raspbian Jessie v8.
>
> I'm wondering if anyone might have some tips to help restore the FreeDV
> mode?
>
> Thanks and 73,
> Bob W9RAN
>
>
>

2420. Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-13 19:48:37 UTC
From: Dr. Karsten Schmidt
Topic: 2420 Message: 2420

Hallo,

I hope somebody can help me or point me in the right direction.

I’m using the combination of quisk and fldigi since about 2 years without problems, I’m using the alsa loopback configuration as described on http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes and everything went well.

But for some months I have the problem, that fldigi doesn’t work reliable anymore. It’s quite difficult to decode PSK31 signal with fldigi. Monitoring the signal, it sounds like short interruption (even no noise) of the signal. Switching back to USB or LSB it sounds to me normal, without the described short interruption. Checking the status pane in the config window I can see errors in for the “Play radio sound” and “Play digital mode sound”. In less than 5 min I have more than 400 errors. Furthermore, I see increasing latency values and switching them back to zero with an interval of about 2 seconds. This effect corresponds to the missing sound. In the SSB-mode everything is fine. I’m running ubuntu 16.04 with kernel 4.8.0-54-generic. I also tried different quisk versions.

Anny hints?

Kind regard Karsten

73 de dg1vs

2421. Re: [n2adr-sdr] Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-13 20:02:38 UTC
From: Michael Durkin
Topic: 2420 Message: 2421

Tried a few older kernels? Like when it was working ok ...

Intel or atom or arm?

On Jun 13, 2017 12:48 PM, "'Dr. Karsten Schmidt' karsten.schmidt@gmx.de [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hallo,
>
> I hope somebody can help me or point me in the right direction.
>
> I’m using the combination of quisk and fldigi since about 2 years without
> problems, I’m using the alsa loopback configuration as described on
> http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes and everything went
> well.
>
> But for some months I have the problem, that fldigi doesn’t work reliable
> anymore. It’s quite difficult to decode PSK31 signal with fldigi.
> Monitoring the signal, it sounds like short interruption (even no noise) of
> the signal. Switching back to USB or LSB it sounds to me normal, without
> the described short interruption. Checking the status pane in the config
> window I can see errors in for the “Play radio sound” and “Play digital
> mode sound”. In less than 5 min I have more than 400 errors. Furthermore,
> I see increasing latency values and switching them back to zero with an
> interval of about 2 seconds. This effect corresponds to the missing sound.
> In the SSB-mode everything is fine. I’m running ubuntu 16.04 with kernel
> 4.8.0-54-generic. I also tried different quisk versions.
>
> Anny hints?
>
> Kind regard Karsten
>
> 73 de dg1vs
>
>
>
>
>

2422. Re: [n2adr-sdr] Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-13 20:16:45 UTC
From: Dr. Karsten Schmidt
Topic: 2420 Message: 2422

It's a intel hardware (Intel Core i7-2860QM (2.50GHz)). So it's should not be a cpu problem :-)

To be honest, I hesitate the reinstall the laptop and sometime I will have got a new kernel automatically. So, it would be nice to understand the real problem.

73 de dg1vs

Am 13.06.2017 um 22:02 schrieb Michael Durkin kc7noa@... [n2adr-sdr]:
>
> Tried a few older kernels? Like when it was working ok ...
>
> Intel or atom or arm?
>
> On Jun 13, 2017 12:48 PM, "'Dr. Karsten Schmidt'
> karsten.schmidt@... <mailto:karsten.schmidt@...> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
>
> Hallo,
>
> I hope somebody can help me or point me in the right direction.
>
> I’m using the combination of quisk and fldigi since about 2 years
> without problems, I’m using the alsa loopback configuration as
> described on http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes
> <http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes> and
> everything went well.
>
> But for some months I have the problem, that fldigi doesn’t work
> reliable anymore. It’s quite difficult to decode PSK31 signal with
> fldigi. Monitoring the signal, it sounds like short interruption
> (even no noise) of the signal. Switching back to USB or LSB it
> sounds to me normal, without the described short interruption.
> Checking the status pane in the config window I can see errors in
> for the “Play radio sound” and “Play digital mode sound”. In less
> than 5 min I have more than 400 errors. Furthermore, I see
> increasing latency values and switching them back to zero with an
> interval of about 2 seconds. This effect corresponds to the
> missing sound. In the SSB-mode everything is fine. I’m running
> ubuntu 16.04 with kernel 4.8.0-54-generic. I also tried different
> quisk versions.
>
> Anny hints?

>
> Kind regard Karsten
>
> 73 de dg1vs
>
>
>
>

2423. Re: [n2adr-sdr] Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-14 08:17:24 UTC
From: nick
Topic: 2420 Message: 2423

On 13/06/17 20:48, 'Dr. Karsten Schmidt' karsten.schmidt@...
[n2adr-sdr] wrote:
> Monitoring the signal, it sounds like short interruption (even
> no noise) of the signal. Switching back to USB or LSB it sounds to me
> normal, without the described short interruption. Checking the status
> pane in the config window I can see errors in for the “Play radio sound”
> and “Play digital mode sound”. In less than 5 min I have more than 400
> errors. Furthermore, I see increasing latency values and switching them
> back to zero with an interval of about 2 seconds. This effect
> corresponds to the missing sound.

May need more buffering in ~/.asoundrc.

http://www.alsa-project.org/alsa-doc/alsa-lib/pcm_plugins.html

73
Nick
G3VNC

2424. TX passband ripple

Yahoo group: n2adr-sdr
Date: 2017-06-14 15:56:09 UTC
From: nick
Topic: 2417 Message: 2424

What is the passband ripple on TX DGT-U 4800 Hz bandwidth?

I am using wsjt-x and quisk 4.1.7 and am seeing some variation in output between tones well away from the edges of the passband.

Nick
G3VNC

2425. Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-14 19:24:26 UTC
From: Ron
Topic: 2425 Message: 2425

Hi,

Just a bit of background first. My very small company sells a couple of SDR transceivers. Currently our go to host application is HDSDR. I have created a rather extensive DLL to support our hardware. HDSDR has a rather good API and is fairly well documented. A GUI has also been created that interfaces with the DLL to provide a number of features that HDSDR does not provide (calibration, tune function and a few other things).

HDSDR <-------> DLL <-------> Rig
|
GUI

I am investigating providing Quisk as second host application for folks who are not particularly fond of HDSDR.

So my question is, does Quisk provide an API such as this? I have reviewed the Quisk documentation (briefly) and nothing really jumped out at me. If it does not have an API such as this, what needs to be accomplished to provide something similar to what has been mentioned?

NOTE: We do not charge for host applications. We simply provide them as a convenience.

--
73,
Ron / W4MMP

2426. Re: [n2adr-sdr] Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-14 19:56:37 UTC
From: Dr. Karsten Schmidt
Topic: 2420 Message: 2426

Hallo

I found a way to switch back to an old kernel (4.4.0-79). Then it works smoothly without any error. That’s funny, that means there is a problem in the new kernel 4.8.0-54 regarding the “alsa” or “loopback” device…

Lots of questions…

The simplest question… How to collect useful information for a bug report?

73 de dg1vs

.

:-(
Am 13.06.2017 um 22:02 schrieb Michael Durkin kc7noa@... [n2adr-sdr]:
>
> Tried a few older kernels? Like when it was working ok ...
>
> Intel or atom or arm?
>
> On Jun 13, 2017 12:48 PM, "'Dr. Karsten Schmidt'
> karsten.schmidt@... <mailto:karsten.schmidt@gmx.de> [n2adr-sdr]"
> <n2adr-sdr@yahoogroups.com <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
>
>
> Hallo,
>
> I hope somebody can help me or point me in the right direction.
>
> I’m using the combination of quisk and fldigi since about 2 years
> without problems, I’m using the alsa loopback configuration as
> described on http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes
> <http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes> and
> everything went well.
>
> But for some months I have the problem, that fldigi doesn’t work
> reliable anymore. It’s quite difficult to decode PSK31 signal with
> fldigi. Monitoring the signal, it sounds like short interruption
> (even no noise) of the signal. Switching back to USB or LSB it
> sounds to me normal, without the described short interruption.
> Checking the status pane in the config window I can see errors in
> for the “Play radio sound” and “Play digital mode sound”. In less
> than 5 min I have more than 400 errors. Furthermore, I see
> increasing latency values and switching them back to zero with an

> interval of about 2 seconds. This effect corresponds to the
> missing sound. In the SSB-mode everything is fine. I’m running
> ubuntu 16.04 with kernel 4.8.0-54-generic. I also tried different
> quisk versions.
>
> Anny hints?
>
> Kind regard Karsten
>
> 73 de dg1vs
>
>
>
>

2427. Re: [n2adr-sdr] Problem with quisk and fldigi

Yahoo group: n2adr-sdr
Date: 2017-06-14 20:13:35 UTC
From: Michael Durkin
Topic: 2420 Message: 2427

You would need to join the linux kernel group and post your issue/question
.... i dont think its a ubuntu issue, but maybe start there ..

On Jun 14, 2017 12:56 PM, "'Dr. Karsten Schmidt' karsten.schmidt@...
[n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hallo
>
> I found a way to switch back to an old kernel (4.4.0-79). Then it works
> smoothly without any error. That’s funny, that means there is a problem in
> the new kernel 4.8.0-54 regarding the “alsa” or “loopback” device…
>
> Lots of questions…
>
> The simplest question… How to collect useful information for a bug report?
>
> 73 de dg1vs
>
> .
> :-(
> Am 13.06.2017 um 22:02 schrieb Michael Durkin kc7noa@gmail.com
> [n2adr-sdr]:
>
>
> Tried a few older kernels? Like when it was working ok ...
>
> Intel or atom or arm?
>
> On Jun 13, 2017 12:48 PM, "'Dr. Karsten Schmidt' karsten.schmidt@...
> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> Hallo,
>>
>> I hope somebody can help me or point me in the right direction.
>>
>> I’m using the combination of quisk and fldigi since about 2 years
>> without problems, I’m using the alsa loopback configuration as described
>> on http://hiqsdr.com/index.php?title=HiQSDR-Digitalmodes and everything
>> went well.
>>
>> But for some months I have the problem, that fldigi doesn’t work

>> reliable anymore. It’s quite difficult to decode PSK31 signal with
>> fldigi. Monitoring the signal, it sounds like short interruption (even no
>> noise) of the signal. Switching back to USB or LSB it sounds to me normal,
>> without the described short interruption. Checking the status pane in the
>> config window I can see errors in for the “Play radio sound” and “Play
>> digital mode sound”. In less than 5 min I have more than 400 errors.
>> Furthermore, I see increasing latency values and switching them back to
>> zero with an interval of about 2 seconds. This effect corresponds to the
>> missing sound. In the SSB-mode everything is fine. I’m running ubuntu
>> 16.04 with kernel 4.8.0-54-generic. I also tried different quisk versions.
>>
>> Anny hints?
>>
>> Kind regard Karsten
>>
>> 73 de dg1vs
>>
>>
>>
>>
>
>

2428. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-14 20:17:31 UTC
From: Michael Durkin
Topic: 2425 Message: 2428

Quisk is writen mostly in python with some c++. Look at the other transceiver blocks for documentation and examples.

Do you have a link to what kind of SDR you have? Direct or I/Q ?

On Jun 14, 2017 12:30 PM, "Ron w4mmp@aol.com [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi,
>
> Just a bit of background first. My very small company sells a couple of
> SDR transceivers. Currently our go to host application is HDSDR. I
> have created a rather extensive DLL to support our hardware. HDSDR has
> a rather good API and is fairly well documented. A GUI has also been
> created that interfaces with the DLL to provide a number of features
> that HDSDR does not provide (calibration, tune function and a few other
> things).
>
> HDSDR <-------> DLL <-------> Rig
> |
> GUI
>
> I am investigating providing Quisk as second host application for folks
> who are not particularly fond of HDSDR.
>
> So my question is, does Quisk provide an API such as this? I have
> reviewed the Quisk documentation (briefly) and nothing really jumped out
> at me. If it does not have an API such as this, what needs to be
> accomplished to provide something similar to what has been mentioned?
>
> NOTE: We do not charge for host applications. We simply provide them as
> a convenience.
>
> --
> 73,
> Ron / W4MMP
>
>
>

2429. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-14 20:31:59 UTC
From: Ron
Topic: 2425 Message: 2429

Hi,

I/Q

73,
Ron / W4MMP

On 6/14/2017 16:17, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Quisk is writen mostly in python with some c++. Look at the other
> transceiver blocks for documentation and examples.
>
> Do you have a link to what kind of SDR you have? Direct or I/Q ?
>
>
>
> On Jun 14, 2017 12:30 PM, "Ron w4mmp@... <mailto:w4mmp@...>
> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Hi,
>
> Just a bit of background first. My very small company sells a
> couple of
> SDR transceivers. Currently our go to host application is HDSDR. I
> have created a rather extensive DLL to support our hardware. HDSDR
> has
> a rather good API and is fairly well documented. A GUI has also been
> created that interfaces with the DLL to provide a number of features
> that HDSDR does not provide (calibration, tune function and a few
> other
> things).
>
> HDSDR <-------> DLL <-------> Rig
> |
> GUI
>
> I am investigating providing Quisk as second host application for
> folks
> who are not particularly fond of HDSDR.
>
> So my question is, does Quisk provide an API such as this? I have
> reviewed the Quisk documentation (briefly) and nothing really
> jumped out
> at me. If it does not have an API such as this, what needs to be
> accomplished to provide something similar to what has been mentioned?
>

> NOTE: We do not charge for host applications. We simply provide
> them as
> a convenience.
>
> --
> 73,
> Ron / W4MMP
>
>

2430. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-14 21:47:00 UTC
From: Michael Durkin
Topic: 2425 Message: 2430

Is the I/Q via a detected audio device or is the quadrature demodulated and
THEN sent to a computer over UDP or ?

What system of Lo control is used ...?

On Wed, Jun 14, 2017 at 1:31 PM, Ron w4mmp@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi,
>
> I/Q
>
> 73,
> Ron / W4MMP
>
> On 6/14/2017 16:17, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
>
>
> Quisk is writen mostly in python with some c++. Look at the other
> transceiver blocks for documentation and examples.
>
> Do you have a link to what kind of SDR you have? Direct or I/Q ?
>
>
>
> On Jun 14, 2017 12:30 PM, "Ron w4mmp@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> Hi,
>>
>> Just a bit of background first. My very small company sells a couple of
>> SDR transceivers. Currently our go to host application is HDSDR. I
>> have created a rather extensive DLL to support our hardware. HDSDR has
>> a rather good API and is fairly well documented. A GUI has also been
>> created that interfaces with the DLL to provide a number of features
>> that HDSDR does not provide (calibration, tune function and a few other
>> things).
>>
>> HDSDR <-------> DLL <-------> Rig
>> |
>> GUI
>>

>> I am investigating providing Quisk as second host application for folks
>> who are not particularly fond of HDSDR.
>>
>> So my question is, does Quisk provide an API such as this? I have
>> reviewed the Quisk documentation (briefly) and nothing really jumped out
>> at me. If it does not have an API such as this, what needs to be
>> accomplished to provide something similar to what has been mentioned?
>>
>> NOTE: We do not charge for host applications. We simply provide them as
>> a convenience.
>>
>> --
>> 73,
>> Ron / W4MMP
>>
>>
>
>

2431. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-15 08:46:42 UTC
From: nick
Topic: 2425 Message: 2431

On 14/06/17 20:24, Ron w4mmp@... [n2adr-sdr] wrote:
> My very small company sells a couple of
> SDR transceivers. Currently our go to host application is HDSDR.

Ron

Are your rigs the Multus Basic and Proficio?

Nick
G3VNC

2432. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-16 01:53:53 UTC
From: Ron
Topic: 2425 Message: 2432

Hi,

The the I/Q is sent over an audio device. The rig control is currently
via libusb and uses the Softrock protocol.

73,
Ron / W4MMP

On 6/14/2017 17:47, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Is the I/Q via a detected audio device or is the quadrature
> demodulated and THEN sent to a computer over UDP or ?
>
> What system of Lo control is used ...?
>
> On Wed, Jun 14, 2017 at 1:31 PM, Ron w4mmp@...
> <mailto:w4mmp@...> [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> Hi,
>
> I/Q
>
> 73,
> Ron / W4MMP
>
> On 6/14/2017 16:17, Michael Durkin kc7noa@...
> <mailto:kc7noa@...> [n2adr-sdr] wrote:
>> Quisk is writen mostly in python with some c++. Look at the other
>> transceiver blocks for documentation and examples.
>>
>> Do you have a link to what kind of SDR you have? Direct or I/Q ?
>>
>>
>>
>> On Jun 14, 2017 12:30 PM, "Ron w4mmp@...
>> <mailto:w4mmp@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
>> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>>
>> Hi,
>>
>> Just a bit of background first. My very small company sells a
>> couple of
>> SDR transceivers. Currently our go to host application is
>> HDSDR. I
>> have created a rather extensive DLL to support our hardware.
>> HDSDR has

>> a rather good API and is fairly well documented. A GUI has
>> also been
>> created that interfaces with the DLL to provide a number of
>> features
>> that HDSDR does not provide (calibration, tune function and a
>> few other
>> things).
>>
>> HDSDR <-------> DLL <-------> Rig
>> |
>> GUI
>>
>> I am investigating providing Quisk as second host application
>> for folks
>> who are not particularly fond of HDSDR.
>>
>> So my question is, does Quisk provide an API such as this? I
>> have
>> reviewed the Quisk documentation (briefly) and nothing really
>> jumped out
>> at me. If it does not have an API such as this, what needs to be
>> accomplished to provide something similar to what has been
>> mentioned?
>>
>> NOTE: We do not charge for host applications. We simply
>> provide them as
>> a convenience.
>>
>> --
>> 73,
>> Ron / W4MMP
>>
>
>
>

2433. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-16 01:54:20 UTC
From: Ron
Topic: 2425 Message: 2433

Hi Nick,

Yep ;-)

73,
Ron / W4MMP

On 6/15/2017 04:46, nick g3vnc@... [n2adr-sdr] wrote:
>
> On 14/06/17 20:24, Ron w4mmp@... [n2adr-sdr] wrote:
> > My very small company sells a couple of
> > SDR transceivers. Currently our go to host application is HDSDR.
>
> Ron
>
> Are your rigs the Multus Basic and Proficio?
>
> Nick
> G3VNC
>
>

2434. Re: [n2adr-sdr] Quisk API?

Yahoo group: n2adr-sdr
Date: 2017-06-16 02:36:40 UTC
From: Michael Durkin
Topic: 2425 Message: 2434

Like the red pitya? Si570 lo?

Sounds like you could just modify the ensemble (softrock) file .... use a pe0fko firmware ... or hamlib?

On Jun 15, 2017 6:53 PM, "Ron w4mmp@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi,
>
> The the I/Q is sent over an audio device. The rig control is currently
> via libusb and uses the Softrock protocol.
>
> 73,
> Ron / W4MMP
>
> On 6/14/2017 17:47, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
>
>
> Is the I/Q via a detected audio device or is the quadrature demodulated
> and THEN sent to a computer over UDP or ?
>
> What system of Lo control is used ...?
>
> On Wed, Jun 14, 2017 at 1:31 PM, Ron w4mmp@aol.com [n2adr-sdr] <
> n2adr-sdr@yahoogroups.com> wrote:
>
>>
>>
>> Hi,
>>
>> I/Q
>>
>> 73,
>> Ron / W4MMP
>>
>> On 6/14/2017 16:17, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
>>
>>
>> Quisk is writen mostly in python with some c++. Look at the other
>> transceiver blocks for documentation and examples.
>>
>> Do you have a link to what kind of SDR you have? Direct or I/Q ?
>>

>>
>>
>> On Jun 14, 2017 12:30 PM, "Ron w4mmp@... [n2adr-sdr]" <
>> n2adr-sdr@yahoogroups.com> wrote:
>>
>>>
>>>
>>> Hi,
>>>
>>> Just a bit of background first. My very small company sells a couple of
>>> SDR transceivers. Currently our go to host application is HDSDR. I
>>> have created a rather extensive DLL to support our hardware. HDSDR has
>>> a rather good API and is fairly well documented. A GUI has also been
>>> created that interfaces with the DLL to provide a number of features
>>> that HDSDR does not provide (calibration, tune function and a few other
>>> things).
>>>
>>> HDSDR <-------> DLL <-------> Rig
>>> |
>>> GUI
>>>
>>> I am investigating providing Quisk as second host application for folks
>>> who are not particularly fond of HDSDR.
>>>
>>> So my question is, does Quisk provide an API such as this? I have
>>> reviewed the Quisk documentation (briefly) and nothing really jumped out
>>> at me. If it does not have an API such as this, what needs to be
>>> accomplished to provide something similar to what has been mentioned?
>>>
>>> NOTE: We do not charge for host applications. We simply provide them as
>>> a convenience.
>>>
>>> --
>>> 73,
>>> Ron / W4MMP
>>>
>>>
>>
>
>
>

2435. Quisk Version 4.1.8 June 2017

Yahoo group: n2adr-sdr
Date: 2017-06-30 17:12:22 UTC
From: jahlstr@...
Topic: 2435 Message: 2435

This version adds a bandscope screen for the Hermes Lite. It uses the raw data from the ADC to display a 36 MHz wide view of the spectrum. You do not need to update to this version unless you have Hermes hardware.

Jim
N2ADR

2436. no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-17 15:44:37 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2436

Trying to transmit from wsjtx to quisk to softrock. I can see that I am generating a tone going into the quisk microphone input. But no IQ Tx output to send to the softrock. Must be some kind of newbie mistake, but it seems like I have tried every possible variation on config.

Using pulseaudio in Ubuntu. 2 soundcards. IQ in and out connected to onboard card. Radio output and mic in thru USB card.

PAVUControl shows wsjtx signal on the mic input. But nothing on IQ Tx. Any help?

Keith AB1FD

2437. Re: [n2adr-sdr] no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-17 16:30:10 UTC
From: nick
Topic: 2436 Message: 2437

On 17/07/17 16:44, keith.bellairs@... [n2adr-sdr] wrote:
> Trying to transmit from wsjtx to quisk to softrock. I can see that I am generating a tone going into the quisk microphoneinput. But no IQ Tx output to send to the softrock. Must be some kind of
newbie mistake, but it seems like I have tried every possible variation
on config.
>
> Using pulseaudio in Ubuntu. 2 soundcards. IQ in and out connected to onboard card. Radio output and mic in thru USB card.
>
> PAVUControl shows wsjtx signal on the mic input. But nothing on IQ Tx. Any help?

Please post the following settings from ~./quisk_settings.json

"lin_digital_output_name": "",
"lin_name_of_sound_capt": "",
"lin_digital_input_name": "",
"lin_name_of_mic_play": "",
"lin_name_of_sound_play": "",
"lin_microphone_name": "",

2438. Re: [n2adr-sdr] no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-17 18:29:25 UTC
From: Eric Thornton
Topic: 2436 Message: 2438

A couple ways too do this, but i think the easiest (and most reliable) way to use this configuration is to create a null sink in pulse audio. There are lots of instructions out there on how to do this. I named mine "dig-out" or something similar. You'll automatically get "dig-out.monitor" after restarting the sound server. Then, configure quisk to use that monitor stream as it's mic input or direct it there with pavucontrol.

Some folks set up a loop device in alsa, but i prefer allowing pulseaudio to handle the audio and keep latency predictable. I focused on this method when i rewrote the pulse audio backend a couple years ago.

Hope this helps.

Eric
ww4et (formerly km4dsj)

On Jul 17, 2017 12:30 PM, "nick g3vnc@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> On 17/07/17 16:44, keith.bellairs@... [n2adr-sdr] wrote:
> > Trying to transmit from wsjtx to quisk to softrock. I can see that I am
> generating a tone going into the quisk microphoneinput. But no IQ Tx output
> to send to the softrock. Must be some kind of
> newbie mistake, but it seems like I have tried every possible variation
> on config.
> >
> > Using pulseaudio in Ubuntu. 2 soundcards. IQ in and out connected to
> onboard card. Radio output and mic in thru USB card.
> >
> > PAVUControl shows wsjtx signal on the mic input. But nothing on IQ Tx.
> Any help?
>
> Please post the following settings from ~./quisk_settings.json
>
> "lin_digital_output_name": "",
> "lin_name_of_sound_capt": "",
> "lin_digital_input_name": "",
> "lin_name_of_mic_play": "",
> "lin_name_of_sound_play": "",
> "lin_microphone_name": "",
>
>
>

2439. Re: [n2adr-sdr] no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-17 20:26:45 UTC
From: Michael Durkin
Topic: 2436 Message: 2439

Enable snd-aloop and use tjat ad a virtuial soundcard to route ....

If on arm it might not work tjat way and another soundcard might need
installed with a physical connection to your microphone/speaker

On Jul 17, 2017 8:45 AM, "keith.bellairs@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Trying to transmit from wsjtx to quisk to softrock. I can see that I am
> generating a tone going into the quisk microphone input. But no IQ Tx
> output to send to the softrock. Must be some kind of newbie mistake, but it
> seems like I have tried every possible variation on config.
>
> Using pulseaudio in Ubuntu. 2 soundcards. IQ in and out connected to
> onboard card. Radio output and mic in thru USB card.
>
> PAVUControl shows wsjtx signal on the mic input. But nothing on IQ Tx. Any
> help?
>
> Keith AB1FD
>
>
>
>

2440. Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 02:12:41 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2440

Hi Eric,

I think I've tried this. Created a null sink and used pavucontrol to link the output of wsjtx to the mic input of quisk. In pavucontrol when I press Tune in wsjtx, I see a strong signal being received in the mic input of quisk. But no output in the IQ transmit channel directed to my softrock.

Some setting in my quisk is refusing to trigger PTT and turn on the output.

Keith AB1FD

2441. Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 02:14:56 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2441

Michael,

When I couldn't get pulseaudio to work creating a virtual soundcard, I bought a USB card so that I could run 2. I get the same problem with it - I can see input to quisk in the mic input but nothing comes out for the IQ transmit.

Keith

2442. Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 02:34:58 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2442

nick,

"lin_digital_output_name": "",
"lin_name_of_sound_capt": "pulse:alsa_input.pci-0000_00_14.2.analog-stereo",
"lin_digital_input_name": "",
"lin_name_of_mic_play": "pulse:alsa_output.pci-0000_00_14.2.analog-surround-51",
"lin_name_of_sound_play":
"pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_Audio_Device-00.analog-stereo",
"lin_microphone_name":
"pulse:alsa_input.usb-C-Media_Electronics_Inc._USB_Audio_Device-00.analog-mono",

This is just one of several broken configs I have tried. Notably here I tried to set the mike input to the mic channel on the USB soundcard, but pulseaudio does not see it to allow it to be connected as the output from wsjtx. So this is really broken.

Does the digital input and output make a difference? I have tried with and without. With digital input set I do pass the sound on to wsjtx, just as the radio output does. I was guessing that using digital input just gets around the audio passband filtering. If you use digital input and output do you need 3 soundcards?

Do you have a sample of a config that works?

So there's a lot I am not understanding.

73

Keith AB1FD

2443. Re: [n2adr-sdr] Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 10:23:12 UTC
From: nick
Topic: 2436 Message: 2443

On 18/07/17 03:34, keith.bellairs@... [n2adr-sdr] wrote:

```
> "lin_digital_output_name": "",
> "lin_name_of_sound_capt": "pulse:alsa_input.pci-0000_00_14.2.analog-stereo",
> "lin_digital_input_name": "",
> "lin_name_of_mic_play": "pulse:alsa_output.pci-0000_00_14.2.analog-surround-51",
> "lin_name_of_sound_play":
"pulse:alsa_output.usb-C-Media_Electronics_Inc._USB_Audio_Device-00.analog-stereo",
> "lin_microphone_name":
"pulse:alsa_input.usb-C-Media_Electronics_Inc._USB_Audio_Device-00.analog-mono",
```

You need to create a loopback between wsjtx and quisk. These settings
won't do that.

>
> Does the digital input and output make a difference? I have tried with and without. With digital input set I do pass the sound on to wsjtx, just as the radio output does. I was guessing that using digital input just gets around the audio passband filtering. If you use digital input and output do you need 3 soundcards?

The digital I/O only works with the DGT modes selected. I do not know
what the TX passband is limited to. In USB mode it appears to be about
2.7kHz. I think you only need 2 sound cards in this application.

> Do you have a sample of a config that works?

Yes and no. I have tried to get wsjtx and quisk to work together with
pulse audio using two sinks. Here's some of my startup script (note the
split lines at \) ...

```
...
# set up pulseaudio null sinks
WSJTX_RX_SINK_ID=$(pactl load-module module-null-sink\
sink_name="wsjtx_rx_sink"
sink_properties=device.description="WSJTX_RX_Sink")

WSJTX_TX_SINK_ID=$(pactl load-module module-null-sink\
sink_name="wsjtx_tx_sink"
sink_properties=device.description="WSJTX_TX_Sink")
...
# clean up pulseaudio
echo
echo "**********cleaning up pulseaudio..."
pactl unload-module ${WSJTX_RX_SINK_ID}
sleep 1
pactl unload-module ${WSJTX_TX_SINK_ID}
echo
```

...

Then in quisk_settings.json...

"lin_digital_output_name": "pulse:wsjtx_rx_sink",
"lin_name_of_sound_capt": "hw:0",
"lin_digital_input_name": "pulse:wsjtx_tx_sink.monitor",
"lin_name_of_mic_play": "hw:0",
"lin_name_of_sound_play": "hw:1",
"lin_microphone_name": "hw:1",

hw:0 is a PCI sound card and hw:1 is the motherboard sound chipset.

I am only using pulseaudio to link wsjtx and quisk. Other settings use
alsa to the raw hardware devices.

Then in ~/.config/WSJT-X.ini...

...
SoundInName=wsjtx_rx_sink.monitor
SoundOutName=wsjtx_tx_sink
...

This works on RX, but on TX I got lots of glitches on the TX signal. It
is very important to check your TX signal into a dummy load before
connecting the antenna ;)

It's a work in progress.

2444. Re: [n2adr-sdr] Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 10:57:06 UTC
From: Eric Thornton
Topic: 2436 Message: 2444

Keith,

Quisk has a built in xmlrpc sever, and i just had to point wsjtx to that port. Somewhere in the settings or docs should be the port number. Can't look now, but i can take a look in a few hours if you haven't found it.

Eric

On Jul 17, 2017 10:14 PM, "keith.bellairs@... [n2adr-sdr]" <n2adr-sdr@yahoogroups.com> wrote:

Hi Eric,

I think I've tried this. Created a null sink and used pavucontrol to link the output of wsjtx to the mic input of quisk. In pavucontrol when I press Tune in wsjtx, I see a strong signal being received in the mic input of quisk. But no output in the IQ transmit channel directed to my softrock.

Some setting in my quisk is refusing to trigger PTT and turn on the output.

Keith AB1FD

2445. Re: [n2adr-sdr] Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 15:26:11 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2445

nick,

Thanks. Now I get what we need for a loopback. Followed your model for digital in and out. Makes good sense. No problem creating a 2d pa sink wsjtx and wstx_tx.

Good RX in wsjtx, but still no output from quisk.

keith

2446. Re: [n2adr-sdr] Re: no IQ Tx Output

Yahoo group: n2adr-sdr
Date: 2017-07-18 15:44:13 UTC
From: keith.bellairs@...
Topic: 2436 Message: 2446

Eric,

The xmlrpc port appears to be set in the settings json file. But in my version of wsjtx I don't see how to point it at xmlrpc. Quisk seems to crash if I try to use the hardware_net.py configuration.

Keith

2447. Quisk Version 4.1.9 August 2017

Yahoo group: n2adr-sdr
Date: 2017-08-08 20:45:35 UTC
From: jahlstr@...
Topic: 2447 Message: 2447

The "Display fraction" is ignored for the Bandscope so the whole spectrum is visible. I added bandscope support for the Odyssey-2 radio. I changed the HermesLite2 logic to agree with the new firmware. Thanks Steve! I added logic for the SoftRock to correct for rate differences between two sound cards. Thanks to Nick, G3VNC!

Jim

N2ADR

2449. DIY Arduino MIDI Controller

Yahoo group: n2adr-sdr
Date: 2017-09-08 09:43:57 UTC
From: dajetzi@...
Topic: 2449 Message: 2449

Hello,
i wonder if there is anyone who build there own Arduino MIDI Controller
to operate PowerSDR or Zeus SDR?
I have made some attempts, but i am struggeling a little.
Either my Arduino sketches are working with PowerSDR or Zeus,
but i can not make one sketch to work with both programs.
This is my very first Arduino project, and i have no programing skills so far.

This controller is meant to be installed in a standalone SDR, so no commercial
solution like Behringer CMD PL-1 is an option.

73 de Sigi, DH1KLM

2450. Re: [n2adr-sdr] DIY Arduino MIDI Controller

Yahoo group: n2adr-sdr
Date: 2017-09-08 10:35:27 UTC
From: Oliver Goldenstein
Topic: 2449 Message: 2450

Hi Sigi!

Long time ago I ordered a kit from the following site. I think the documentation and sketches are still on the webpage:

https://www.midikits.net/miduino/miduino.htm

73 Oliver DL6KBG

dajetzi@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> schrieb am Fr. 8. Sep. 2017 um 11:38:

>
>
> Hello,
>
> i wonder if there is anyone who build there own Arduino MIDI Controller
>
> to operate PowerSDR or Zeus SDR?
>
> I have made some attempts, but i am struggeling a little.
>
> Either my Arduino sketches are working with PowerSDR or Zeus,
>
> but i can not make one sketch to with both programs.
>
> This is my very first Arduino project, and i have no programing skills so
> far.
>
>
> This controller is meant to be installed in a standalone SDR, so no
> commercial
>
> solution like Behringer CMD PL-1 is an option.
>
>
>
>
> 73 de Sigi, DH1KLM
>
>
>
>
>
>
>

2451. Help with custom hardware interface

Yahoo group: n2adr-sdr
Date: 2017-09-21 15:06:32 UTC
From: murphyst@...
Topic: 2451 Message: 2451

Good Morning,

I'm working on interfacing Quisk to my homebrew transceiver which uses an Arduino controlled Si5351 to provide the tunable LO as well as a fixed LO to drive the SDR "back end". Envision a fixed frequency softrock with a tunable, multi-band front end and you'll get the basic idea.

Long story short - I've got the arduino emulating a Yaesu transceiver and talking to Quisk using hamlib. What I'd like to do is tweak my Quisk configuration so that it displays the tuning frequency without altering Quisk's VFO frequency. I've read N2ADR's notes about doing something similar with an 8600, so I understand the concepts but am hitting a wall when it comes to modifying the Python code.

If anyone can offer any suggestions or point me to some additional examples, I'd really love to hear from you. I'm not a programmer, so please be gentle. I'm also aware that I could embed control of the Si5351 into the Pi running Quisk, but I've already got the Arduino handling all the switching and tuning functions and would rather not reinvent the wheel...

Thanks, 73 and GL,

Steve N8NM

2452. Quisk and FreeDV

Yahoo group: n2adr-sdr
Date: 2017-10-24 08:21:49 UTC
From: dh5ym@...
Topic: 2452 Message: 2452

Hi,

yesterday i tried to update the FreeDV library of my Quisk installation. Basically that one worked after changing the quisk_default_conf.py.
Now i can also access the 700C mode and in Loopback mode of my TRX it can be demodulated. 1600 and 700A work as well. For 2400A and B it seems an FM Modulator / Demodulator would be required. Currently the FDV mode always uses SSB if i am correct. The spectrum also looks slightly lousy. I have to investigate further. Would there be a way to make the FDV modes 2400A and B using FM modulators / demodulators ?
For the 800X mode i think the freedv API denies access and this causes an unhandled exception of Quisk.. Thats not a problem. Just do not wonder ;)

Did anyone of you do FreeDV QSO already ? I saw that also the McHF project has at least mode 1600 implemented.

regards
Mario

2453. Re: Quisk and FreeDV

Yahoo group: n2adr-sdr
Date: 2017-10-24 09:15:45 UTC
From: gvjury@...
Topic: 2452 Message: 2453

Hello Mario,

I have been using Quisk in FreeDV mode to QSO with a friend in VK. I do have the codec downloaded from David's svn but am using the codec supplied with Quisk by Jim. It works although for me the TX level is down quite a bit on the other digital modes and I have run tests with VK3RV who informs me that my audio level is just right when I turn it down to about -25 DB. I run SSB at around -3 to -5 dB so it is quite a difference. The mode is very successful and I use 1.6 KHz bandwidth. It needs a stronger signal than SSB or I get dropouts but for an S5 or more signal on 20 M it is great with some distortion on the speech but nothing which affects the intelligibility. When I FDX to monitor my own signal it does not sound too good but probably is better on air. Good to see you experimenting with the codec.

73, Graeme zl2apv

2454. Re: Quisk and FreeDV

Yahoo group: n2adr-sdr
Date: 2017-10-25 06:34:35 UTC
From: dh5ym@...
Topic: 2452 Message: 2454

Hi Graeme,

thanks a lot for your reply. I will try to find a qso partner, maybe on VHF first because on SW my antenna is rather lousy. In FDX mode the 700C sounds rather promising. Lets see how it is in practical use. Required SNR should be a lot lower than for 1600.
Thanks for the comments about the audio volume fed into the codec.
Modification of the codec is not difficult. You just need to put the new library in the freedvpkg directory and delete the old libraries there. In the quisk_conf_default you search for the line with the modes listed and add the new modes.

73
Mario

2455. Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 10:31:35 UTC
From: sebi_carjan@...
Topic: 2455 Message: 2455

Hello, I've seen this nice SDR on internet and I've decided to install it on my Raspebery PI2. I_Q signals that I intend to use are from a board that I built few years ago using a polyphase network.
After I've got upgrade and update for my Rasp I tried to install the 4.1.10 of Quisk and the process failed when I did "make". The same problem with ver. 4.1.9. on my Rasp.
The process is described here:

```
pi@raspberrypi:~/quisk $ make -j4
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c quisk.c -o
build/temp.linux-armv7l-2.7/quisk.o
quisk.c: In function ‘quisk_process_samples’:
quisk.c:2059:5: warning: this ‘else’ clause does not guard... [-Wmisleading-indentation]
else
^~~~
quisk.c:2061:2: note: ...this statement, but the latter is misleadingly indented as if it
is guarded by the ‘else’
if (tune != 0) {
^~
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound.c -o
build/temp.linux-armv7l-2.7/sound.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o
build/temp.linux-armv7l-2.7/sound_alsa.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or directory
#include <portaudio.h>
^
compilation terminated.
error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
makefile:3: recipe for target 'all' failed
```

```
make: *** [all] Error 1
pi@raspberrypi:~/quisk $
```

Can someone help me to finish successfully installing?
Thank you in advance!
Sebi

2456. Re: [n2adr-sdr] Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 12:34:41 UTC
From: Michael Durkin
Topic: 2455 Message: 2456

Is Portaudio still available to install?

If I remember right there are test scripts in the main folder to test if
you have functioning alsa, pulseaudio and other audio streams

On Nov 13, 2017 2:31 AM, "sebi_carjan@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hello, I've seen this nice SDR on internet and I've decided to install it
> on my Raspebery PI2. I_Q signals that I intend to use are from a board that
> I built few years ago using a polyphase network.
>
> After I've got upgrade and update for my Rasp I tried to install the
> 4.1.10 of Quisk and the process failed when I did "make". The same problem
> with ver. 4.1.9. on my Rasp.
>
> The process is described here:
>
>
> pi@raspberrypi:~/quisk $ make -j4
>
> python setup.py build_ext --force --inplace
>
> running build_ext
>
> building 'quisk._quisk' extension
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
>
> quisk.c: In function ‘quisk_process_samples’:
>
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
>
> else
>
> ^~~~
>
> quisk.c:2061:2: note: ...this statement, but the latter is misleadingly
> indented as if it is guarded by the ‘else’

```
>
> if (tune != 0) {
>
> ^~
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/
> sound_alsa.o
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
>
> sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or directory
>
> #include <portaudio.h>
>
> ^
>
> compilation terminated.
>
> error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
>
> makefile:3: recipe for target 'all' failed
>
> make: *** [all] Error 1
>
> pi@raspberrypi:~/quisk $
>
>
> Can someone help me to finish successfully installing?
>
> Thank you in advance!
>
> Sebi
>
>
>
```

>
>
>

2457. Re: [n2adr-sdr] Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 15:47:25 UTC
From: Sid Boyce
Topic: 2455 Message: 2457

You also need portaudio19-dev installed.
73 ... Sid.

On 13/11/17 12:34, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Is Portaudio still available to install?
>
> If I remember right there are test scripts in the main folder to test
> if you have functioning alsa, pulseaudio and other audio streams
>
> On Nov 13, 2017 2:31 AM, "sebi_carjan@...
> <mailto:sebi_carjan@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
>
> ?
>
> Hello, I've seen this nice SDR on internet and I've decided to
> install it on my Raspebery PI2. I_Q signals that I intend to use
> are from a board that I built few years ago using a polyphase network.
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> After I've got upgrade and update for my Rasp I tried to install
> the 4.1.10 of Quisk and the process failed when I did "make". The
> same problem with ver. 4.1.9. on my Rasp.
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> The process is described here:
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>
> running build_ext
>
> building 'quisk._quisk' extension
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
>
> quisk.c: In function ‘quisk_process_samples’:
>
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...

```
> [-Wmisleading-indentation]
>
>   ?  else
>
>   ?  ^~~~
>
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
>
>   if (tune != 0) {
>
>   ^~
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
>
> sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or
> directory
>
>  #include <portaudio.h>
>
>       ?                ^
>
> compilation terminated.
>
> error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
>
> makefile:3: recipe for target 'all' failed
>
```

> make: *** [all] Error 1
>
> pi@raspberrypi:~/quisk $?
>
>
> Can someone help me to finish successfully installing?
>
> Thank you in advance!
>
> Sebi
>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2458. Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 17:25:27 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2458

Thank you! You were right! I've installed, "libportaudio2"and "portaudio19-dev", which lacked.
After the process has gone up to final, and lanch from line comand, I've seen quisk large skin, but many errors in configuration. I've tried to change window smaller but I don't succeded. They appeared in gray collour (unchangegible). When I did a reset from this meniu I couldn't lunch the program again.

I've tried to "make" and to invoke python for instal again, but nothing has gone right.

The whole process is bellow:

```
pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10

pi@raspberrypi:~/quisk-4.1.10 $ make -j4
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c quisk.c -o
build/temp.linux-armv7l-2.7/quisk.o
quisk.c: In function ‘quisk_process_samples’:
quisk.c:2059:5: warning: this ‘else’ clause does not guard... [-Wmisleading-indentation]
else
^~~~
quisk.c:2061:2: note: ...this statement, but the latter is misleadingly indented as if it
is guarded by the ‘else’
if (tune != 0) {
^~
(this warning persists)
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound.c -o
build/temp.linux-armv7l-2.7/sound.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_alsa.c -o
build/temp.linux-armv7l-2.7/sound_alsa.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
```

```
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c is_key_down.c -o
build/temp.linux-armv7l-2.7/is_key_down.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c microphone.c -o
build/temp.linux-armv7l-2.7/microphone.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c utility.c -o
build/temp.linux-armv7l-2.7/utility.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c filter.c -o
build/temp.linux-armv7l-2.7/filter.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c extdemod.c -o
build/temp.linux-armv7l-2.7/extdemod.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c freedv.c -o
build/temp.linux-armv7l-2.7/freedv.o
arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions -Wl,-z,relro
-fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time
-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
-fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro -Wdate-time
-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
-fstack-protector-strong -Wformat -Werror=format-security
build/temp.linux-armv7l-2.7/quisk.o build/temp.linux-armv7l-2.7/sound.o
build/temp.linux-armv7l-2.7/sound_alsa.o build/temp.linux-armv7l-2.7/sound_portaudio.o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o build/temp.linux-armv7l-2.7/is_key_down.o
build/temp.linux-armv7l-2.7/microphone.o build/temp.linux-armv7l-2.7/utility.o
build/temp.linux-armv7l-2.7/filter.o build/temp.linux-armv7l-2.7/extdemod.o
build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse -lfftw3 -lm -o
/home/pi/quisk-4.1.10/_quisk.so
building 'quisk.sdriqpkg.sdriq' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
```

```
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I. -I.. -I/usr/include/python2.7 -c
import_quisk_api.c -o build/temp.linux-armv7l-2.7/import_quisk_api.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I. -I.. -I/usr/include/python2.7 -c
sdriqpkg/sdriq.c -o build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions -Wl,-z,relro
-fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time
-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
-fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro -Wdate-time
-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
-fstack-protector-strong -Wformat -Werror=format-security
build/temp.linux-armv7l-2.7/import_quisk_api.o
build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
/home/pi/quisk-4.1.10/sdriqpkg/sdriq.so

pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
running install
running build
running build_py
copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
running build_ext
running build_scripts
running install_lib
copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
/usr/local/lib/python2.7/dist-packages/quisk
byte-compiling /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
running install_scripts
changing mode of /usr/local/bin/quisk to 755
running install_egg_info
Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info

Here I tried to lunch:
pi@raspberrypi:~/quisk-4.1.10 $ quisk
18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER environment
variable not defined
Traceback (most recent call last):
File "/usr/local/bin/quisk", line 8, in <module>
quisk.main()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 5275, in main
App()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3056, in __init__
wx.App.__init__(self, redirect=False)
File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line 8628, in __init__
self._BootstrapApp()
File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line 8196, in
_BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
```

```
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3494, in OnInit
self.config_text = Hardware.open()
File "softrock/hardware_usb.py", line 51, in open
usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
idProduct=self.conf.usb_product_id)
File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py", line 1189, in find
import usb.backend.libusb1 as libusb1
ImportError: No module named backend.libusb1 (this is new error)

pi@raspberrypi:~/quisk-4.1.10 $

--------------------------------------------------
```

2459. Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 17:52:25 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2459

Hello to everyone!
I am not a Unix user, and please excuse me with so many details! I saw Quisk working on Youtube to N6QW and it seemed to me wonderful. So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a PI3 which seems run faster.
But seeng how the things go, I'm a bit reticent because of my poor Raspbian (Debian...) knowledge. It is a new world!

Thank you supporting me,

Sebi (YO2CBQ)

2460. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 18:15:06 UTC
From: Sid Boyce
Topic: 2455 Message: 2460

```
Check you have libusb packages.
--------------------------------
libusb-0.1-4
libusb-1.0-0
libusb-1.0-0-dev
libusb-dev

Warnings are not unusual but errors in the build are fatal.
"make -j 4"? seems to end normally at quisk-4.1.10/sdriqpkg/sdriq.so
without an error.
"python setup.py install" should also not show up an error.
Launch from within quisk-4.1.10 with "python quisk.py" as sometimes
there can be a rogue previous install with a binary at /use/bin/quisk.

If there is a file ~/quisk_conf.py", remove it. ~/quisk_settings.json is
generated at startup.
Depending on the screen size you may manually have to change the setting
"Large screen" to
"button_layout": "Small screen" if you have e.g a 7 inch LCD screen.

I have had to play with other values for a 7 inch screen
????? "default_font_size": "12",
????? "favorites_font_size": "10",
????? "config_font_size": "14",
????? "button_font_size": "14",
????? "graph_font_size": "12",
????? "fft_size_multiplier": "0",
????? "graph_msg_font_size": "14",
????? "status_font_size": "8",
????? "window_height": "600",

If it's a touch screen install xinput-calibrator package and run
xinput_calibrator --list to see the list of input device ID's
xinput_calibrator --device <id>
Use the mouse to click on + in the upper left corner, it then jumps to
the upper right corner, next click it jumps to the lower left corner,
next to the lower right corner, next it prints out the settings and
information where to store it. e.g:
# cat /usr/share/X11/xorg.conf.d/99-calibration.conf
Section "InputClass"
??????? Identifier????? "calibration"
??????? MatchProduct??? "eGalax Inc. Touch"
??????? Option? "Calibration"?? "2058 10 38 2050"
??????? Option? "SwapAxes"????? "0"
####??????? Option? "InvertX"?? "1"
EndSection
```

Sometimes the sense is wrong, e.g scroll up works as scroll down, scroll
left scrolls right, change Option "SwapAxes" "1"
If only X or Y are inverted? Option "InvertX" "1" or Option "invertY" "1"
Then reboot.

73 ... Sid.

On 13/11/17 17:25, sebi.carjan@... [n2adr-sdr] wrote:
>
> Thank you! You were right! I've installed, "libportaudio2"and
> "portaudio19-dev", which lacked.
> After the process has gone up to final, and lanch from line comand,
> I've seen quisk large skin, but many errors in configuration. I've
> tried to change window smaller but I don't succeded. They appeared in
> gray collour (unchangegible). When I did a reset from this meniu I
> couldn't lunch the program again.
>
> I've tried to "make" and to invoke python for instal again, but
> nothing has gone right.
>
> The whole process is bellow:
>
> pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
>
> pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
> quisk.c: In function ‘quisk_process_samples’:
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
> ? ? ?else
> ? ? ?^~~~
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
> ? if (tune != 0) {
> ? ^~
> (this warning persists)
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time

```
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c is_key_down.c -o
> build/temp.linux-armv7l-2.7/is_key_down.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c microphone.c -o
> build/temp.linux-armv7l-2.7/microphone.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c utility.c -o
> build/temp.linux-armv7l-2.7/utility.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c filter.c -o
> build/temp.linux-armv7l-2.7/filter.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
```

```
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c extdemod.c -o
> build/temp.linux-armv7l-2.7/extdemod.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/quisk.o
> build/temp.linux-armv7l-2.7/sound.o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> build/temp.linux-armv7l-2.7/is_key_down.o
> build/temp.linux-armv7l-2.7/microphone.o
> build/temp.linux-armv7l-2.7/utility.o
> build/temp.linux-armv7l-2.7/filter.o
> build/temp.linux-armv7l-2.7/extdemod.o
> build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
> building 'quisk.sdriqpkg.sdriq' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
```

```
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
>
> pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> running install
> running build
> running build_py
> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> running build_ext
> running build_scripts
> running install_lib
> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> /usr/local/lib/python2.7/dist-packages/quisk
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> running install_scripts
> changing mode of /usr/local/bin/quisk to 755
> running install_egg_info
> Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
>
> Here I tried to lunch:
> pi@raspberrypi:~/quisk-4.1.10 $ quisk
> 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> environment variable not defined
> Traceback (most recent call last):
> ? File "/usr/local/bin/quisk", line 8, in <module>
> ? ? quisk.main()
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 5275, in main
> ? ? App()
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3056, in __init__
> ? ? wx.App.__init__(self, redirect=False)
> ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> line 8628, in __init__
> ? ? self._BootstrapApp()
> ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> line 8196, in _BootstrapApp
> ? ? return _core_.PyApp__BootstrapApp(*args, **kwargs)
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3494, in OnInit
> ? ? self.config_text = Hardware.open()
> ? File "softrock/hardware_usb.py", line 51, in open
> ? ? usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
```

> idProduct=self.conf.usb_product_id)
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py",
> line 1189, in find
> ? ? import usb.backend.libusb1 as libusb1
> ImportError: No module named backend.libusb1 (this is new error)
>
> pi@raspberrypi:~/quisk-4.1.10 $
> ---
>
>
>
>
>

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Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2461. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-13 18:26:32 UTC
From: Sid Boyce
Topic: 2455 Message: 2461

Looks like I have just answered some of the questions in my post just sent.

The Pi 3 is certainly faster.

I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and
now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which
is amazingly fast.
The M3 has been superceded by the NanoPi Fire3 which is a smaller board
- it's really a M3 with only 1 USB2.0 port and no WiFi.

My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch
touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3
and now runs an ODROID-C2.
73 ... Sid.

On 13/11/17 17:52, sebi.carjan@... [n2adr-sdr] wrote:
> Hello to everyone!
> I am not a Unix user, and please excuse me with so many details! I saw
> Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> PI3 which seems run faster.
> But seeng how the things go, I'm a bit reticent because of my poor
> Raspbian (Debian...) knowledge. It is a new world!
>
> Thank you supporting me,
>
> Sebi (YO2CBQ)
>
>

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2462. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-14 00:05:33 UTC
From: Robert Nickels
Topic: 2455 Message: 2462

On 11/13/2017 11:52 AM, sebi.carjan@... [n2adr-sdr] wrote:
> So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll
> buy a PI3 which seems run faster.

Sebi, I think that's the right approach, I haven't tried it on the R-Pi1 but the Pi-3 and touchscreen runs Quisk very nicely. While receiving SSB the load average is about .75, meaning it's using 3/4 of one CPU core, which leave plenty of processing power available to do other things (and suggests that it will run just fine on the Pi-2 as well).

It was definitely a learning experience getting the configuration settings right, but the most challenges were with the Pi audio where Alsa audio through the internal audio jack is the most reliable. Bluetooth audio does work but I've had problems with it hanging up after starting/stopping the SDR and unable to recover without a hassle. I've also used one of the cheap USB soundcards driving an amplified speaker.

I've configured Quisk to work with both my Hermes-Lite 1.0 via ethernet, and RS-HFIQ (USB soundcard). My initial experiences using wi-fi was really poor, and after reading about some issues with the Pi I decided to switch to hardwired ethernet. These issues may be corrected by now, I need to upgrade by software and give it another try. I also need to fight thru re-installing the DV software, which was a real pain.

One trick you might want to try for initial setup is to install an X Server (I use Xming) on your PC so you can run Quisk remotely and display the "large" screen. Once you change it to the "small" screen and get your configuration right, you can close the remote connection and try running from the Pi directly. Everything fits nicely on the small screen except you do have to scroll to the right in the radio configuration screens. The buttons on the Pi touchscreen as small, but I've been able to use them just fine, even though a wired or bluetooth pointing device is generally easier for tuning.

Here's a pic of the Pi touchscreen to provide encouragement that it can be done!

https://i.imgur.com/kGgq4Lt.jpg

I'm certainly no Linux guru, so with persistence I'm sure you will have equal success. Thanks again to N2ADR for such a fine piece of software!

73, Bob W9RAN

2463. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-14 13:24:07 UTC
From: David Turner
Topic: 2455 Message: 2463

Hi Sebi.
I have just tried installing quisk-4.1.10 on a pi2 it took ten minutes from pressing "Make" for the Quisk display screen to appear,(very very slow)
this was with pi2 set to tubo mode, it then locked the screen. As Syd said pi3 is a lot faster and I don't think you will be dissapointed. It will also run pihpsdr software. (I use pi3 and pine64 with Quisk software).

Dave.g0vvf.

On Monday, 13 November 2017, 18:26:38 GMT, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Looks like I have just answered some of the questions in my post just sent.

The Pi 3 is certainly faster.

I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which is amazingly fast.
The M3 has been superceded by the NanoPi Fire3 which is a smaller board - it's really a M3 with only 1 USB2.0 port and no WiFi.

My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3 and now runs an ODROID-C2.
73 ... Sid.

On 13/11/17 17:52, sebi.carjan@... [n2adr-sdr] wrote:
> Hello to everyone!
> I am not a Unix user, and please excuse me with so many details! I saw
> Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> PI3 which seems run faster.
> But seeng how the things go, I'm a bit reticent because of my poor
> Raspbian (Debian...) knowledge. It is a new world!
>
> Thank you supporting me,
>
> Sebi (YO2CBQ)
>
>

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Yahoo Groups Links

2464. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-14 14:12:41 UTC
From: Sid Boyce
Topic: 2455 Message: 2464

You just jogged my memory, the picture of the standalone HiQSDR on my QRZ.com page shows a Pi 1 model B running rasdr.
I need to take some current pictures.

The Pi 3 limited the HiQDSDR to 192K samplerate, running 384K with the ODROID-C2.
The one problem with going higher e.g 960K samplerate is that the small screen display gets way too crowded to be of any real use.

I used the PINE A64+ at one stage, ran fine also.
73 ... Sid.

On 14/11/17 13:24, David Turner g0vvf@... [n2adr-sdr] wrote:
> Hi Sebi.
>
> I have just tried installing? quisk-4.1.10 on a pi2 it took ten
> minutes from pressing "Make" for the Quisk display screen to
> appear,(very very slow)
> this was with pi2 set to tubo mode, it then locked the screen. As Syd
> said pi3 is a lot faster and I don't think you will be dissapointed.
> It will also run pihpsdr software. (I use pi3 and pine64 with Quisk
> software).
>
> Dave.
> g0vvf.
>
>
> On Monday, 13 November 2017, 18:26:38 GMT, Sid Boyce
> g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Looks like I have just answered some of the questions in my post just
> sent.
>
> The Pi 3 is certainly faster.
>
> I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and
> now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which
> is amazingly fast.
> The M3 has been superceded by the NanoPi Fire3 which is a smaller board
> - it's really a M3 with only 1 USB2.0 port and no WiFi.
>
> My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch
> touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3
> and now runs an ODROID-C2.
> 73 ... Sid.

>
> On 13/11/17 17:52, sebi.carjan@...
> <mailto:sebi.carjan@...> [n2adr-sdr] wrote:
> > Hello to everyone!
> > I am not a Unix user, and please excuse me with so many details! I saw
> > Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> > I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> > PI3 which seems run faster.
> > But seeng how the things go, I'm a bit reticent because of my poor
> > Raspbian (Debian...) knowledge. It is a new world!
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> > Thank you supporting me,
> >
> > Sebi (YO2CBQ)
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> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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2465. Re: [n2adr-sdr] Digest Number 732

Yahoo group: n2adr-sdr
Date: 2017-11-14 16:03:16 UTC
From: Sebi Carjan
Topic: 2465 Message: 2465

N2ADR-SDR / HiQSDR TransceiverThank you my friends,

Your advices are welcomed! Sid, I am interested in your development with NanoPi M3. I've seen your achievements, impressive!
Robert, I saw your Quisk JPG! Looks fine! Anyhow you skill better like me with Unix and networks. For example, I didn't success to view my PI2 from my computer. I admit, I wasn't too insistent.

Last night I reinstalled from zero my PI2 and installed the requested libs! I installed again Quisk and set the smaller window. Everything went well!
After I configured "My Radio" and sound (as I've guessed) the radio begun to run on Graph and I've got sound at the PI2 output. My problem is that I use Xonar U7 and I noticed that it has only one Audio input (line or microphone) and many outputs, the best being stereo (default). I like this SoundBlaster because of 114dB SNR. Just on the Quisk I see S-meter S0 –108dB, without any input signal from RF-hardware. But what I'll do with microphone? Should I put another sound card?
After my knowledge, should be on sound card:
-1 input for I/Q coming from RF-hardware;
-1 output for I/Q going to RF-hardware;
-1 input for microphone.
Audio (output of radio) is from PI2, BCM2835.

In this stage I have some doubts. I see in config Sound as Playback, Xonar U7 USB Audio (hw:1,0), Xonar U7 USB Audio #1 (hw:1,1), Xonar U7 USB Audio #1 (hw:1,2)! What means #1, and #2 and arguments from brackets.

On the other hand, I have buttons in white (inscriptions) among them, PTT, VOX, Add Rx. I don't know, why?
Since I have no ready boards with RF-hardware, may I test Quisk otherwise?

Best,
Sebi

From: n2adr-sdr@yahoogroups.com
Sent: Tuesday, November 14, 2017 2:37 AM
To: n2adr-sdr@yahoogroups.com
Subject: [n2adr-sdr] Digest Number 732

N2ADR-SDR / HiQSDR Transceiver Group
8 Messages Digest #732 1a Installing Quisk on Raspberry PI2! by sebi_carjan 1b Re: Installing Quisk on Raspberry PI2! by "Michael Durkin" seth_otherpower 1c Re: Installing Quisk on Raspberry PI2! by "Sid Boyce" priddix 1d Re: Installing Quisk on Raspberry PI2! by sebi_carjan 1e Re: Installing Quisk on Raspberry PI2! by sebi_carjan 1f Re: Installing Quisk on Raspberry PI2! by "Sid Boyce" priddix 1g Re: Installing Quisk on Raspberry PI2! by "Sid Boyce" priddix 1h Re: Installing Quisk on Raspberry PI2! by "Robert Nickels" w9ran Messages
1a Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 2:31 am (PST) . Posted by:

sebi_carjan Hello, I've seen this nice SDR on internet and I've decided to install it on my Raspebery PI2. I_Q signals that I intend to use are from a board that I built few years ago using a polyphase network.
After I've got upgrade and update for my Rasp I tried to install the 4.1.10 of Quisk and the process failed when I did "make". The same problem with ver. 4.1.9. on my Rasp.
The process is described here:

```
pi@raspberrypi:~/quisk $ make -j4
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c quisk.c -o
build/temp.linux-armv7l-2.7/quisk.o
quisk.c: In function ‘quisk_process_samples’:
quisk.c:2059:5: warning: this ‘else’ clause does not guard... [-Wmisleading-indentation]
else
^~~~
quisk.c:2061:2: note: ...this statement, but the latter is misleadingly indented as if it
is guarded by the ‘else’
if (tune != 0) {
^~
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-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_portaudio.c -o
build/temp.linux-armv7l-2.7/sound_portaudio.o
sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or directory
#include <portaudio.h>
^
compilation terminated.
error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
makefile:3: recipe for target 'all' failed
make: *** [all] Error 1
pi@raspberrypi:~/quisk $
```

Can someone help me to finish successfully installing?
Thank you in advance!
Sebi

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1b Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 4:34 am (PST) . Posted by: "Michael Durkin" seth_otherpower Is Portaudio still available to install?

If I remember right there are test scripts in the main folder to test if
you have functioning alsa, pulseaudio and other audio streams

On Nov 13, 2017 2:31 AM, "sebi_carjan@... [n2adr-sdr]" <
n2adr-sdr@yahoogroups.com> wrote:

>
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> on my Raspebery PI2. I_Q signals that I intend to use are from a board that
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> Can someone help me to finish successfully installing?
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> Thank you in advance!
>
> Sebi
>
>
>
>
>
>
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Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 7:47 am (PST) . Posted by: "Sid Boyce" priddix You also need portaudio19-dev installed.
73 ... Sid.

On 13/11/17 12:34, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> Is Portaudio still available to install?
>
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> On Nov 13, 2017 2:31 AM, "sebi_carjan@...
> <mailto:sebi_carjan@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> ? ^~~~

```
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> quisk.c:2061:2: note: ...this statement, but the latter is
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> -D_FORTIFY_SOURCE=2 -g
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>
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> build/temp.linux-armv7l-2.7/sound_alsa.o
>
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
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>
>
```

> Can someone help me to finish successfully installing?
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> Thank you in advance!
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> Sebi
>
>
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>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1d Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 9:25 am (PST) . Posted by: sebi_carjan

Thank you! You were right! I've installed, "libportaudio2"and "portaudio19-dev", which lacked.
After the process has gone up to final, and lanch from line comand, I've seen quisk large skin, but many errors in configuration. I've tried to change window smaller but I don't succeded. They appeared in gray collour (unchangegible). When I did a reset from this meniu I couldn't lunch the program again.

I've tried to "make" and to invoke python for instal again, but nothing has gone right.

The whole process is bellow:

pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10

pi@raspberrypi:~/quisk-4.1.10 $ make -j4
python setup.py build_ext --force --inplace
running build_ext
building 'quisk._quisk' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
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is guarded by the ‘else’
if (tune != 0) {
^~
(this warning persists)
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes

```
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
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-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c sound_pulseaudio.c -o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c is_key_down.c -o
build/temp.linux-armv7l-2.7/is_key_down.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c microphone.c -o
build/temp.linux-armv7l-2.7/microphone.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c utility.c -o
build/temp.linux-armv7l-2.7/utility.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
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-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c extdemod.c -o
build/temp.linux-armv7l-2.7/extdemod.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
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-fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=. -fstack-protector-strong
-Wformat -Werror=format-security -fPIC -I/usr/include/python2.7 -c freedv.c -o
build/temp.linux-armv7l-2.7/freedv.o
arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1 -Wl,-Bsymbolic-functions -Wl,-z,relro
-fno-strict-aliasing -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time
```

```
-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
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-fstack-protector-strong -Wformat -Werror=format-security
build/temp.linux-armv7l-2.7/quisk.o build/temp.linux-armv7l-2.7/sound.o
build/temp.linux-armv7l-2.7/sound_alsa.o build/temp.linux-armv7l-2.7/sound_portaudio.o
build/temp.linux-armv7l-2.7/sound_pulseaudio.o build/temp.linux-armv7l-2.7/is_key_down.o
build/temp.linux-armv7l-2.7/microphone.o build/temp.linux-armv7l-2.7/utility.o
build/temp.linux-armv7l-2.7/filter.o build/temp.linux-armv7l-2.7/extdemod.o
build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse -lfftw3 -lm -o
/home/pi/quisk-4.1.10/_quisk.so
building 'quisk.sdriqpkg.sdriq' extension
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
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-Wformat -Werror=format-security -fPIC -I. -I.. -I/usr/include/python2.7 -c
import_quisk_api.c -o build/temp.linux-armv7l-2.7/import_quisk_api.o
arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall -Wstrict-prototypes
-fno-strict-aliasing -Wdate-time -D_FORTIFY_SOURCE=2 -g
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sdriqpkg/sdriq.c -o build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
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-D_FORTIFY_SOURCE=2 -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
-fstack-protector-strong -Wformat -Werror=format-security
build/temp.linux-armv7l-2.7/import_quisk_api.o
build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
/home/pi/quisk-4.1.10/sdriqpkg/sdriq.so

pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
running install
running build
running build_py
copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
running build_ext
running build_scripts
running install_lib
copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
/usr/local/lib/python2.7/dist-packages/quisk
byte-compiling /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
running install_scripts
changing mode of /usr/local/bin/quisk to 755
running install_egg_info
Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info

Here I tried to lunch:
pi@raspberrypi:~/quisk-4.1.10 $ quisk
18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER environment
```

```
variable not defined
Traceback (most recent call last):
File "/usr/local/bin/quisk", line 8, in <module>
quisk.main()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 5275, in main
App()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3056, in __init__
wx.App.__init__(self, redirect=False)
File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line 8628, in __init__
self._BootstrapApp()
File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line 8196, in
_BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3494, in OnInit
self.config_text = Hardware.open()
File "softrock/hardware_usb.py", line 51, in open
usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
idProduct=self.conf.usb_product_id)
File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py", line 1189, in find
import usb.backend.libusb1 as libusb1
ImportError: No module named backend.libusb1 (this is new error)

pi@raspberrypi:~/quisk-4.1.10 $
```

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1e Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 9:52 am (PST) . Posted by: sebi_carjan

Hello to everyone!
I am not a Unix user, and please excuse me with so many details! I saw Quisk working on Youtube to N6QW and it seemed to me wonderful. So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a PI3 which seems run faster.
But seeng how the things go, I'm a bit reticent because of my poor Raspbian (Debian...) knowledge. It is a new world!

Thank you supporting me,

Sebi (YO2CBQ)

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1f Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 10:15 am (PST) . Posted by: "Sid Boyce" priddix Check you have libusb packages.

```
--------------------------------
libusb-0.1-4
libusb-1.0-0
libusb-1.0-0-dev
libusb-dev
```

Warnings are not unusual but errors in the build are fatal.
"make -j 4"? seems to end normally at quisk-4.1.10/sdriqpkg/sdriq.so
without an error.
"python setup.py install" should also not show up an error.
Launch from within quisk-4.1.10 with "python quisk.py" as sometimes

there can be a rogue previous install with a binary at /use/bin/quisk.

If there is a file ~/quisk_conf.py", remove it. ~/quisk_settings.json is
generated at startup.
Depending on the screen size you may manually have to change the setting
"Large screen" to
"button_layout": "Small screen" if you have e.g a 7 inch LCD screen.

I have had to play with other values for a 7 inch screen
????? "default_font_size": "12",
????? "favorites_font_size": "10",
????? "config_font_size": "14",
????? "button_font_size": "14",
????? "graph_font_size": "12",
????? "fft_size_multiplier": "0",
????? "graph_msg_font_size": "14",
????? "status_font_size": "8",
????? "window_height": "600",

If it's a touch screen install xinput-calibrator package and run
xinput_calibrator --list to see the list of input device ID's
xinput_calibrator --device <id>
Use the mouse to click on + in the upper left corner, it then jumps to
the upper right corner, next click it jumps to the lower left corner,
next to the lower right corner, next it prints out the settings and
information where to store it. e.g:
cat /usr/share/X11/xorg.conf.d/99-calibration.conf
Section "InputClass"
??????? Identifier????? "calibration"
??????? MatchProduct??? "eGalax Inc. Touch"
??????? Option? "Calibration"?? "2058 10 38 2050"
??????? Option? "SwapAxes"????? "0"
####??????? Option? "InvertX"?? "1"
EndSection

Sometimes the sense is wrong, e.g scroll up works as scroll down, scroll
left scrolls right, change Option "SwapAxes" "1"
If only X or Y are inverted? Option "InvertX" "1" or Option "invertY" "1"
Then reboot.

73 ... Sid.

On 13/11/17 17:25, sebi.carjan@... [n2adr-sdr] wrote:
>
> Thank you! You were right! I've installed, "libportaudio2"and
> "portaudio19-dev", which lacked.
> After the process has gone up to final, and lanch from line comand,
> I've seen quisk large skin, but many errors in configuration. I've
> tried to change window smaller but I don't succeded. They appeared in
> gray collour (unchangegible). When I did a reset from this meniu I
> couldn't lunch the program again.
>

```
> I've tried to "make" and to invoke python for instal again, but
> nothing has gone right.
>
> The whole process is bellow:
>
> pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
>
> pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o build/temp.linux-armv7l-2.7/quisk.o
> quisk.c: In function ‘quisk_process_samples’:
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
> ? ? ?else
> ? ? ?^~~~
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
> ? if (tune != 0) {
> ? ^~
> (this warning persists)
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o build/temp.linux-armv7l-2.7/sound.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
```

```
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c is_key_down.c -o
> build/temp.linux-armv7l-2.7/is_key_down.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c microphone.c -o
> build/temp.linux-armv7l-2.7/microphone.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c utility.c -o
> build/temp.linux-armv7l-2.7/utility.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c filter.c -o
> build/temp.linux-armv7l-2.7/filter.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c extdemod.c -o
> build/temp.linux-armv7l-2.7/extdemod.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
```

```
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/quisk.o
> build/temp.linux-armv7l-2.7/sound.o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> build/temp.linux-armv7l-2.7/is_key_down.o
> build/temp.linux-armv7l-2.7/microphone.o
> build/temp.linux-armv7l-2.7/utility.o
> build/temp.linux-armv7l-2.7/filter.o
> build/temp.linux-armv7l-2.7/extdemod.o
> build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
> building 'quisk.sdriqpkg.sdriq' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
>
> pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> running install
> running build
> running build_py
> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> running build_ext
> running build_scripts
```

> running install_lib
> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> /usr/local/lib/python2.7/dist-packages/quisk
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> running install_scripts
> changing mode of /usr/local/bin/quisk to 755
> running install_egg_info
> Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
>
> Here I tried to lunch:
> pi@raspberrypi:~/quisk-4.1.10 $ quisk
> 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> environment variable not defined
> Traceback (most recent call last):
> ? File "/usr/local/bin/quisk", line 8, in <module>
> ? ? quisk.main()
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 5275, in main
> ? ? App()
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3056, in __init__
> ? ? wx.App.__init__(self, redirect=False)
> ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> line 8628, in __init__
> ? ? self._BootstrapApp()
> ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> line 8196, in _BootstrapApp
> ? ? return _core_.PyApp__BootstrapApp(*args, **kwargs)
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3494, in OnInit
> ? ? self.config_text = Hardware.open()
> ? File "softrock/hardware_usb.py", line 51, in open
> ? ? usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
> idProduct=self.conf.usb_product_id)
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py",
> line 1189, in find
> ? ? import usb.backend.libusb1 as libusb1
> ImportError: No module named backend.libusb1 (this is new error)
>
> pi@raspberrypi:~/quisk-4.1.10 $
> ---
>
>
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1g Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 10:26 am (PST) . Posted by: "Sid Boyce" priddix Looks like I have just answered some of the questions in my post just sent.

The Pi 3 is certainly faster.

I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and
now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which
is amazingly fast.
The M3 has been superceded by the NanoPi Fire3 which is a smaller board
- it's really a M3 with only 1 USB2.0 port and no WiFi.

My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch
touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3
and now runs an ODROID-C2.
73 ... Sid.

On 13/11/17 17:52, sebi.carjan@... [n2adr-sdr] wrote:
> Hello to everyone!
> I am not a Unix user, and please excuse me with so many details! I saw
> Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> PI3 which seems run faster.
> But seeng how the things go, I'm a bit reticent because of my poor
> Raspbian (Debian...) knowledge. It is a new world!
>
> Thank you supporting me,
>
> Sebi (YO2CBQ)
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

Reply to sender . Reply to group . Reply via Web Post . All Messages (8) . Top ^ 1h Re: Installing Quisk on Raspberry PI2! Mon Nov 13, 2017 4:05 pm (PST) . Posted by: "Robert Nickels" w9ran On 11/13/2017 11:52 AM, sebi.carjan@... [n2adr-sdr] wrote:
> So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll
> buy a PI3 which seems run faster.

Sebi, I think that's the right approach, I haven't tried it on the R-Pi1
but the Pi-3 and touchscreen runs Quisk very nicely. While receiving SSB
the load average is about .75, meaning it's using 3/4 of one CPU core,

which leave plenty of processing power available to do other things (and suggests that it will run just fine on the Pi-2 as well).

It was definitely a learning experience getting the configuration settings right, but the most challenges were with the Pi audio where Alsa audio through the internal audio jack is the most reliable. Bluetooth audio does work but I've had problems with it hanging up after starting/stopping the SDR and unable to recover without a hassle. I've also used one of the cheap USB soundcards driving an amplified speaker.

I've configured Quisk to work with both my Hermes-Lite 1.0 via ethernet, and RS-HFIQ (USB soundcard). My initial experiences using wi-fi was really poor, and after reading about some issues with the Pi I decided to switch to hardwired ethernet. These issues may be corrected by now, I need to upgrade by software and give it another try. I also need to fight thru re-installing the DV software, which was a real pain.

One trick you might want to try for initial setup is to install an X Server (I use Xming) on your PC so you can run Quisk remotely and display the "large" screen. Once you change it to the "small" screen and get your configuration right, you can close the remote connection and try running from the Pi directly. Everything fits nicely on the small screen except you do have to scroll to the right in the radio configuration screens. The buttons on the Pi touchscreen as small, but I've been able to use them just fine, even though a wired or bluetooth pointing device is generally easier for tuning.

Here's a pic of the Pi touchscreen to provide encouragement that it can be done!

https://i.imgur.com/kGgq4Lt.jpg

I'm certainly no Linux guru, so with persistence I'm sure you will have equal success. Thanks again to N2ADR for such a fine piece of software!

73, Bob W9RAN

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2466. Re: [n2adr-sdr] Digest Number 732

Yahoo group: n2adr-sdr
Date: 2017-11-14 17:41:33 UTC
From: Sid Boyce
Topic: 2465 Message: 2466

You definitely need RF hardware for quisk to communicate with.
The radios - softrock, charleston, Hermes-Lite (hermeslite.com), HiQSDR,
Jim's own N2ADR transceiver, Peaberry/Omnia-SDR and sdr-iq.

Jim recently said he was working on support for ODYYSEY 2.

I have yet to get around to testing some openHPSDR Hermes+eb104.ru BPF
and 300W PA/LPF filter settings Jim supplied quite a while ago.
It would be great to be able to use quisk with Hermes.

It would be interesting to see the output of terminal commands to see
exactly what the Xonar U7 provides.
cat /proc/asound/cards
fsuever -v /dev/snd/*
73 ... Sid.

On 14/11/17 16:03, 'Sebi Carjan' sebi.carjan@... [n2adr-sdr] wrote:
>
> Thank you my friends,
> Your advices are welcomed! Sid, I am interested in your development
> with NanoPi M3. I've seen your achievements, impressive!
> Robert, I saw your Quisk JPG! Looks fine! Anyhow you skill better like
> me with Unix and networks. For example, I didn't success to view my
> PI2 from my computer. I admit, I wasn't too insistent.
> Last night I reinstalled from zero my PI2 and installed the requested
> libs!? I installed again Quisk and set the smaller window. Everything
> went well!
> After I configured "My Radio" and sound (as I've guessed) the
> radio begun to run on Graph and I've got sound at the PI2 output. My
> problem is that I use Xonar U7 and I noticed that it has only one
> Audio input (line or microphone) and many outputs, the best being
> stereo (default). I like this SoundBlaster because of 114dB SNR. Just
> on the Quisk I see S-meter S0 -108dB, without any input signal from
> RF-hardware. But what I'll do with microphone? Should I put another
> sound card?
> After my knowledge, should be on sound card:
> -1 input for I/Q coming from RF-hardware;
> -1 output for I/Q going to RF-hardware;
> -1 input for microphone.
> Audio (output of radio) is from PI2, BCM2835.
> In this stage I have some doubts. I see in config Sound as Playback,
> Xonar U7 USB Audio (hw:1,0), Xonar U7 USB Audio #1 (hw:1,1), Xonar U7
> USB Audio #1 (hw:1,2)! What means #1, and #2 and arguments from brackets.
> On the other hand, I have buttons in white (inscriptions) among them,
> PTT, VOX, Add Rx. I don't know, why?
> Since I have no ready boards with RF-hardware, may I test Quisk otherwise?

> Best,
> Sebi
> *From:* n2adr-sdr@yahoogroups.com
> *Sent:* Tuesday, November 14, 2017 2:37 AM
> *To:* n2adr-sdr@yahoogroups.com
> *Subject:* [n2adr-sdr] Digest Number 732
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlOGNqdWloBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxMDYxOTg0NQ-->
> N2ADR-SDR / HiQSDR Transceiver Group
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/info;_ylc=X3oDMTJlajJjdnM5BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTUxMDYxOTg0NQ-->
>
>
> 8 Messages
>
> Digest #732
> 1a
> Installing Quisk on Raspberry PI2! <#1a>by sebi_carjan
> 1b
> Re: Installing Quisk on Raspberry PI2! <#1b>by "Michael Durkin"
> seth_otherpower
> 1c
> Re: Installing Quisk on Raspberry PI2! <#1c>by "Sid Boyce" priddix
> 1d
> Re: Installing Quisk on Raspberry PI2! <#1d>by sebi_carjan
> 1e
> Re: Installing Quisk on Raspberry PI2! <#1e>by sebi_carjan
> 1f
> Re: Installing Quisk on Raspberry PI2! <#1f>by "Sid Boyce" priddix
> 1g
> Re: Installing Quisk on Raspberry PI2! <#1g>by "Sid Boyce" priddix
> 1h
> Re: Installing Quisk on Raspberry PI2! <#1h>by "Robert Nickels" w9ran
>
>
> Messages
>
>
> 1a
>
>
> Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTJyZWZjaThoBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU1BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 2:31 am (PST) . Posted by:

>
>
> sebi_carjan
>
> Hello, I've seen this nice SDR on internet and I've decided to install
> it on my Raspebery PI2. I_Q signals that I intend to use are from a
> board that I built few years ago using a polyphase network.
> After I've got upgrade and update for my Rasp I tried to install the
> 4.1.10 of Quisk and the process failed when I did "make". The same
> problem with ver. 4.1.9. on my Rasp.
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> pi@raspberrypi:~/quisk $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> quisk.c: In function ‘quisk_process_samples’:
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
> else
> ^~~~
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
> if (tune != 0) {
> ^~
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
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> build/temp.linux-armv7l-2.7/sound_portaudio.o
> sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or
> directory
> #include <portaudio.h>
> ^
> compilation terminated.
> error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
> makefile:3: recipe for target 'all' failed
> make: *** [all] Error 1
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>
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> Can someone help me to finish successfully installing?
> Thank you in advance!
> Sebi
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> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2455;_ylc=X3oDMTJy
MWgyNGlwBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU1BHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2455>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2aW
NiOWg3BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU1BHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1b
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2456;_ylc=X3oDMTJyb3
NsOGFoBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU2BHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 4:34 am (PST) . Posted by:
>
>
> "Michael Durkin" seth_otherpower
>
> Is Portaudio still available to install?

>
> If I remember right there are test scripts in the main folder to test if
> you have functioning alsa, pulseaudio and other audio streams
>
> On Nov 13, 2017 2:31 AM, "sebi_carjan@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
> >
> >
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> install it
> > on my Raspebery PI2. I_Q signals that I intend to use are from a
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> > -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
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> > quisk.c: In function ‘quisk_process_samples’:
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> > quisk.c:2059:5: warning: this ‘else’ clause does not guard...
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> > quisk.c:2061:2: note: ...this statement, but the latter is misleadingly
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> > if (tune != 0) {
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> > sound_alsa.o
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> > Sebi
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h2YW5vBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU2BHNlYwNk
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> Top ^ <#toc>
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> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2457;_ylc=X3oDMTJyY3
YxYmVtBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU3BHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 7:47 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> You also need portaudio19-dev installed.
> 73 ... Sid.
>
> On 13/11/17 12:34, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> > Is Portaudio still available to install?
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> > If I remember right there are test scripts in the main folder to test
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>?? ?? ^~~~
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> > quisk.c:2061:2: note: ...this statement, but the latter is
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> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
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> > -I/usr/include/python2.7 -c sound.c -o
> > build/temp.linux-armv7l-2.7/sound.o
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
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```
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
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> >? #include <portaudio.h>
> >
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> > Thank you in advance!
> >
> > Sebi
> >
> >
> >
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
```

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> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2458;_ylc=X3oDMTJyb2dvaWw3BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 9:25 am (PST) . Posted by:
>
>
> sebi_carjan
>
>
>
> Thank you! You were right! I've installed, "libportaudio2"and
> "portaudio19-dev", which lacked.
> After the process has gone up to final, and lanch from line comand,
> I've seen quisk large skin, but many errors in configuration. I've
> tried to change window smaller but I don't succeded. They appeared in
> gray collour (unchangegible). When I did a reset from this meniu I
> couldn't lunch the program again.
>
>
> I've tried to "make" and to invoke python for instal again, but
> nothing has gone right.
>
>
> The whole process is bellow:
>
>
>
> pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
>
>
> pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext

```
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> misleadingly indented as if it is guarded by the ‘else’
> if (tune != 0) {
> ^~
> (this warning persists)
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
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> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
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```
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c is_key_down.c -o
> build/temp.linux-armv7l-2.7/is_key_down.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
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> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c microphone.c -o
> build/temp.linux-armv7l-2.7/microphone.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c utility.c -o
> build/temp.linux-armv7l-2.7/utility.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
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> build/temp.linux-armv7l-2.7/filter.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c extdemod.c -o
> build/temp.linux-armv7l-2.7/extdemod.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/quisk.o
> build/temp.linux-armv7l-2.7/sound.o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
```

```
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> build/temp.linux-armv7l-2.7/is_key_down.o
> build/temp.linux-armv7l-2.7/microphone.o
> build/temp.linux-armv7l-2.7/utility.o
> build/temp.linux-armv7l-2.7/filter.o
> build/temp.linux-armv7l-2.7/extdemod.o
> build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
> building 'quisk.sdriqpkg.sdriq' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
>
>
> pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> running install
> running build
> running build_py
> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> running build_ext
> running build_scripts
> running install_lib
> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> /usr/local/lib/python2.7/dist-packages/quisk
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> running install_scripts
> changing mode of /usr/local/bin/quisk to 755
```

> running install_egg_info
> Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
>
>
> Here I tried to lunch:
> pi@raspberrypi:~/quisk-4.1.10 $ quisk
> 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> environment variable not defined
> Traceback (most recent call last):
> File "/usr/local/bin/quisk", line 8, in <module>
> quisk.main()
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 5275, in main
> App()
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3056, in __init__
> wx.App.__init__(self, redirect=False)
> File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
> 8628, in __init__
> self._BootstrapApp()
> File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
> 8196, in _BootstrapApp
> return _core_.PyApp__BootstrapApp(*args, **kwargs)
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3494, in OnInit
> self.config_text = Hardware.open()
> File "softrock/hardware_usb.py", line 51, in open
> usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
> idProduct=self.conf.usb_product_id)
> File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py", line
> 1189, in find
> import usb.backend.libusb1 as libusb1
> ImportError: No module named backend.libusb1 (this is new error)
>
>
> pi@raspberrypi:~/quisk-4.1.10 $
>
> ---
>
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>

> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2458;_ylc=X3oDMTJyN21naWN0BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYwNkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2458>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2dnEzajAzBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYwNkbXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1e
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2459;_ylc=X3oDMTJyam1kMDBhBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 9:52 am (PST) . Posted by:
>
>
> sebi_carjan
>
> Hello to everyone!
> I am not a Unix user, and please excuse me with so many details! I saw
> Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> PI3 which seems run faster.
> But seeng how the things go, I'm a bit reticent because of my poor
> Raspbian (Debian...) knowledge. It is a new world!
>
>
> Thank you supporting me,
>
>
>
> Sebi (YO2CBQ)
>
>
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2459;_ylc=X3oDMTJyYTA2bzVnBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYwNkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2459>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2Zm9vMG1iBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYwNkbXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.

> Top ^ <#toc>
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> 1f
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>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2460;_ylc=X3oDMTJyYX
VnOHFqBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 10:15 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> Check you have libusb packages.
> ------------------------------
> libusb-0.1-4
> libusb-1.0-0
> libusb-1.0-0-dev
> libusb-dev
>
> Warnings are not unusual but errors in the build are fatal.
> "make -j 4"? seems to end normally at quisk-4.1.10/sdriqpkg/sdriq.so
> without an error.
> "python setup.py install" should also not show up an error.
> Launch from within quisk-4.1.10 with "python quisk.py" as sometimes
> there can be a rogue previous install with a binary at /use/bin/quisk.
>
> If there is a file ~/quisk_conf.py", remove it. ~/quisk_settings.json is
> generated at startup.
> Depending on the screen size you may manually have to change the setting
> "Large screen" to
> "button_layout": "Small screen" if you have e.g a 7 inch LCD screen.
>
> I have had to play with other values for a 7 inch screen
> ????? "default_font_size": "12",
> ????? "favorites_font_size": "10",
> ????? "config_font_size": "14",
> ????? "button_font_size": "14",
> ????? "graph_font_size": "12",
> ????? "fft_size_multiplier": "0",
> ????? "graph_msg_font_size": "14",
> ????? "status_font_size": "8",
> ????? "window_height": "600",
>
> If it's a touch screen install xinput-calibrator package and run
> xinput_calibrator --list to see the list of input device ID's

> xinput_calibrator --device <id>
> Use the mouse to click on + in the upper left corner, it then jumps to
> the upper right corner, next click it jumps to the lower left corner,
> next to the lower right corner, next it prints out the settings and
> information where to store it. e.g:
> # cat /usr/share/X11/xorg.conf.d/99-calibration.conf
> Section "InputClass"
> ??????? Identifier????? "calibration"
> ??????? MatchProduct??? "eGalax Inc. Touch"
> ??????? Option? "Calibration"?? "2058 10 38 2050"
> ??????? Option? "SwapAxes"????? "0"
> ####??????? Option? "InvertX"?? "1"
> EndSection
>
> Sometimes the sense is wrong, e.g scroll up works as scroll down, scroll
> left scrolls right, change Option "SwapAxes" "1"
> If only X or Y are inverted? Option "InvertX" "1" or Option
> "invertY" "1"
> Then reboot.
>
> 73 ... Sid.
>
> On 13/11/17 17:25, sebi.carjan@... [n2adr-sdr] wrote:
> >
> > Thank you! You were right! I've installed, "libportaudio2"and
> > "portaudio19-dev", which lacked.
> > After the process has gone up to final, and lanch from line comand,
> > I've seen quisk large skin, but many errors in configuration. I've
> > tried to change window smaller but I don't succeded. They appeared in
> > gray collour (unchangegible). When I did a reset from this meniu I
> > couldn't lunch the program again.
> >
> > I've tried to "make" and to invoke python for instal again, but
> > nothing has gone right.
> >
> > The whole process is bellow:
> >
> > pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
> >
> > pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> > python setup.py build_ext --force --inplace
> > running build_ext
> > building 'quisk._quisk' extension
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o

```
> > quisk.c: In function ‘quisk_process_samples’:
> > quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> > [-Wmisleading-indentation]
> > ? ? ?else
> > ? ? ?^~~~
> > quisk.c:2061:2: note: ...this statement, but the latter is
> > misleadingly indented as if it is guarded by the ‘else’
> > ? if (tune != 0) {
> > ? ^~
> > (this warning persists)
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_alsa.c -o
> > build/temp.linux-armv7l-2.7/sound_alsa.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_portaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c is_key_down.c -o
> > build/temp.linux-armv7l-2.7/is_key_down.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
```

```
> > -I/usr/include/python2.7 -c microphone.c -o
> > build/temp.linux-armv7l-2.7/microphone.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c utility.c -o
> > build/temp.linux-armv7l-2.7/utility.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c filter.c -o
> > build/temp.linux-armv7l-2.7/filter.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c extdemod.c -o
> > build/temp.linux-armv7l-2.7/extdemod.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c freedv.c -o
> > build/temp.linux-armv7l-2.7/freedv.o
> > arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> > -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> > -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> > -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> > -Wdate-time -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security
> > build/temp.linux-armv7l-2.7/quisk.o
> > build/temp.linux-armv7l-2.7/sound.o
> > build/temp.linux-armv7l-2.7/sound_alsa.o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> > build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > build/temp.linux-armv7l-2.7/is_key_down.o
> > build/temp.linux-armv7l-2.7/microphone.o
> > build/temp.linux-armv7l-2.7/utility.o
> > build/temp.linux-armv7l-2.7/filter.o
> > build/temp.linux-armv7l-2.7/extdemod.o
> > build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> > -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
```

```
> > building 'quisk.sdriqpkg.sdriq' extension
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> > -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> > build/temp.linux-armv7l-2.7/import_quisk_api.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> > -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> > build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> > arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> > -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> > -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> > -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> > -Wdate-time -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security
> > build/temp.linux-armv7l-2.7/import_quisk_api.o
> > build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> > /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
> >
> > pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> > running install
> > running build
> > running build_py
> > copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> > running build_ext
> > running build_scripts
> > running install_lib
> > copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> > /usr/local/lib/python2.7/dist-packages/quisk
> > byte-compiling
> > /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> > running install_scripts
> > changing mode of /usr/local/bin/quisk to 755
> > running install_egg_info
> > Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> > Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> >
> > Here I tried to lunch:
> > pi@raspberrypi:~/quisk-4.1.10 $ quisk
> > 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> > environment variable not defined
> > Traceback (most recent call last):
```

> > ? File "/usr/local/bin/quisk", line 8, in <module>
> > ? ? quisk.main()
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 5275, in main
> > ? ? App()
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 3056, in __init__
> > ? ? wx.App.__init__(self, redirect=False)
> > ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> > line 8628, in __init__
> > ? ? self._BootstrapApp()
> > ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> > line 8196, in _BootstrapApp
> > ? ? return _core_.PyApp__BootstrapApp(*args, **kwargs)
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 3494, in OnInit
> > ? ? self.config_text = Hardware.open()
> > ? File "softrock/hardware_usb.py", line 51, in open
> > ? ? usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
> > idProduct=self.conf.usb_product_id)
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py",
> > line 1189, in find
> > ? ? import usb.backend.libusb1 as libusb1
> > ImportError: No module named backend.libusb1 (this is new error)
> >
> > pi@raspberrypi:~/quisk-4.1.10 $
> > --
> >
> >
> >
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2460;_ylc=X3oDMTJy
aW5objRyBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2460>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2OW
U0ZjNiBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>

> 1g
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2461;_ylc=X3oDMTJybH
Zjcm4yBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 10:26 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> Looks like I have just answered some of the questions in my post just
> sent.
>
> The Pi 3 is certainly faster.
>
> I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and
> now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which
> is amazingly fast.
> The M3 has been superceded by the NanoPi Fire3 which is a smaller board
> - it's really a M3 with only 1 USB2.0 port and no WiFi.
>
> My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch
> touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3
> and now runs an ODROID-C2.
> 73 ... Sid.
>
> On 13/11/17 17:52, sebi.carjan@... [n2adr-sdr] wrote:
> > Hello to everyone!
> > I am not a Unix user, and please excuse me with so many details! I saw
> > Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> > I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> > PI3 which seems run faster.
> > But seeng how the things go, I'm a bit reticent because of my poor
> > Raspbian (Debian...) knowledge. It is a new world!
> >
> > Thank you supporting me,
> >
> > Sebi (YO2CBQ)
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks

>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2461;_ylc=X3oDMTJyams2NmJnBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYwNkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2461>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2NWdiNGk4BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYwNkbXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1h
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2462;_ylc=X3oDMTJydnVsNDNrBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 4:05 pm (PST) . Posted by:
>
>
> "Robert Nickels" w9ran
>
> On 11/13/2017 11:52 AM, sebi.carjan@... [n2adr-sdr] wrote:
> > So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll
> > buy a PI3 which seems run faster.
>
> Sebi, I think that's the right approach, I haven't tried it on the R-Pi1
> but the Pi-3 and touchscreen runs Quisk very nicely. While receiving SSB
> the load average is about .75, meaning it's using 3/4 of one CPU core,
> which leave plenty of processing power available to do other things (and
> suggests that it will run just fine on the Pi-2 as well).
>
> It was definitely a learning experience getting the configuration
> settings right, but the most challenges were with the Pi audio where
> Alsa audio through the internal audio jack is the most reliable.
> Bluetooth audio does work but I've had problems with it hanging up after
> starting/stopping the SDR and unable to recover without a hassle.?? I've
> also used one of the cheap USB soundcards driving an amplified speaker.
>
> I've configured Quisk to work with both my Hermes-Lite 1.0 via ethernet,
> and RS-HFIQ (USB soundcard).?? My initial experiences using wi-fi was
> really poor, and after reading about some issues with the Pi I decided
> to switch to hardwired ethernet.? These issues may be corrected by now,
> I need to upgrade by software and give it another try.?? I also need to
> fight thru re-installing the DV software, which was a real pain.
>

> One trick you might want to try for initial setup is to install an X
> Server (I use Xming) on your PC so you can run Quisk remotely and
> display the "large" screen.?? Once you change it to the "small" screen
> and get your configuration right, you can close the remote connection
> and try running from the Pi directly. Everything fits nicely on the
> small screen except you do have to scroll to the right in the radio
> configuration screens.?? The buttons on the Pi touchscreen as small, but
> I've been able to use them just fine, even though a wired or bluetooth
> pointing device is generally easier for tuning.
>
> Here's a pic of the Pi touchscreen to provide encouragement that it can
> be done!
>
> https://i.imgur.com/kGgq4Lt.jpg
>
> I'm certainly no Linux guru, so with persistence I'm sure you will have
> equal success.??? Thanks again to N2ADR for such a fine piece of software!
>
> 73, Bob W9RAN
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2462;_ylc=X3oDMTJy
c3FyYmp0BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2462>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2Mz
hkZWNqBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/info;_ylc=X3oDMTJmOTBsbW4zBF9TAzk3MzU5NzE
1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTA2MTk4N
DU->
>
>
> * New Members
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/members/all;_ylc=X3oDMTJncHBsN21oBF9TAzk3
MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNT
EwNjE5ODQ1>
> 2
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlOGNqdWloBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3B
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxMDYxOTg0NQ-->
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>
>
>

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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2467. Re: [n2adr-sdr] Digest Number 732

Yahoo group: n2adr-sdr
Date: 2017-11-14 18:10:56 UTC
From: Sid Boyce
Topic: 2465 Message: 2467

NanoPi M3 or Fire3
==========
https://github.com/rafaello7/debian-installer-nanopi-m3/releases and
download ubuntu-installer-nanopi.img
https://github.com/rafaello7/debian-installer-nanopi-m3 follow section

How to install Debian or Ubuntu using the installer

On booting the microSD card it asks where to install /boot and /, simple
if using only the microSD card.
Mine was more convoluted - /boot must be on the SD card but I wanted to
install / on a USB hard drive, a few trials and errors before I achieved it.
73 ... Sid.

On 14/11/17 16:03, 'Sebi Carjan' sebi.carjan@... [n2adr-sdr] wrote:
>
> Thank you my friends,
> Your advices are welcomed! Sid, I am interested in your development
> with NanoPi M3. I've seen your achievements, impressive!
> Robert, I saw your Quisk JPG! Looks fine! Anyhow you skill better like
> me with Unix and networks. For example, I didn't success to view my
> PI2 from my computer. I admit, I wasn't too insistent.
> Last night I reinstalled from zero my PI2 and installed the requested
> libs!? I installed again Quisk and set the smaller window. Everything
> went well!
> After I configured "My Radio" and sound (as I've guessed) the
> radio begun to run on Graph and I've got sound at the PI2 output. My
> problem is that I use Xonar U7 and I noticed that it has only one
> Audio input (line or microphone) and many outputs, the best being
> stereo (default). I like this SoundBlaster because of 114dB SNR. Just
> on the Quisk I see S-meter S0 –108dB, without any input signal from
> RF-hardware. But what I'll do with microphone? Should I put another
> sound card?
> After my knowledge, should be on sound card:
> -1 input for I/Q coming from RF-hardware;
> -1 output for I/Q going to RF-hardware;
> -1 input for microphone.
> Audio (output of radio) is from PI2, BCM2835.
> In this stage I have some doubts. I see in config Sound as Playback,
> Xonar U7 USB Audio (hw:1,0), Xonar U7 USB Audio #1 (hw:1,1), Xonar U7
> USB Audio #1 (hw:1,2)! What means #1, and #2 and arguments from brackets.
> On the other hand, I have buttons in white (inscriptions) among them,
> PTT, VOX, Add Rx. I don't know, why?
> Since I have no ready boards with RF-hardware, may I test Quisk otherwise?
> Best,
> Sebi

> *From:* n2adr-sdr@yahoogroups.com
> *Sent:* Tuesday, November 14, 2017 2:37 AM
> *To:* n2adr-sdr@yahoogroups.com
> *Subject:* [n2adr-sdr] Digest Number 732
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlOGNqdWloBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxMDYxOTg0NQ-->
> N2ADR-SDR / HiQSDR Transceiver Group
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/info;_ylc=X3oDMTJlajJjdnM5BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTUxMDYxOTg0NQ-->
>
>
> 8 Messages
>
> Digest #732
> 1a
> Installing Quisk on Raspberry PI2! <#1a>by sebi_carjan
> 1b
> Re: Installing Quisk on Raspberry PI2! <#1b>by "Michael Durkin"
> seth_otherpower
> 1c
> Re: Installing Quisk on Raspberry PI2! <#1c>by "Sid Boyce" priddix
> 1d
> Re: Installing Quisk on Raspberry PI2! <#1d>by sebi_carjan
> 1e
> Re: Installing Quisk on Raspberry PI2! <#1e>by sebi_carjan
> 1f
> Re: Installing Quisk on Raspberry PI2! <#1f>by "Sid Boyce" priddix
> 1g
> Re: Installing Quisk on Raspberry PI2! <#1g>by "Sid Boyce" priddix
> 1h
> Re: Installing Quisk on Raspberry PI2! <#1h>by "Robert Nickels" w9ran
>
>
> Messages
>
>
> 1a
>
>
> Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTJyZWZjaThoBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU1BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 2:31 am (PST) . Posted by:
>
>

> sebi_carjan
>
> Hello, I've seen this nice SDR on internet and I've decided to install
> it on my Raspebery PI2. I_Q signals that I intend to use are from a
> board that I built few years ago using a polyphase network.
> After I've got upgrade and update for my Rasp I tried to install the
> 4.1.10 of Quisk and the process failed when I did "make". The same
> problem with ver. 4.1.9. on my Rasp.
> The process is described here:
>
>
> pi@raspberrypi:~/quisk $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> quisk.c: In function ‘quisk_process_samples’:
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
> else
> ^~~~
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
> if (tune != 0) {
> ^~
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC

> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or
> directory
> #include <portaudio.h>
> ^
> compilation terminated.
> error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
> makefile:3: recipe for target 'all' failed
> make: *** [all] Error 1
> pi@raspberrypi:~/quisk $
>
>
> Can someone help me to finish successfully installing?
> Thank you in advance!
> Sebi
>
>
>
>
>
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2455;_ylc=X3oDMTJy
MWgyNGlwBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU1BHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2455>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2aW
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bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1b
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2456;_ylc=X3oDMTJyb3
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bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 4:34 am (PST) . Posted by:
>
>
> "Michael Durkin" seth_otherpower
>
> Is Portaudio still available to install?
>
> If I remember right there are test scripts in the main folder to test if

> you have functioning alsa, pulseaudio and other audio streams
>
> On Nov 13, 2017 2:31 AM, "sebi_carjan@... [n2adr-sdr]" <
> n2adr-sdr@yahoogroups.com> wrote:
>
> >
> >
> > Hello, I've seen this nice SDR on internet and I've decided to
> install it
> > on my Raspebery PI2. I_Q signals that I intend to use are from a
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> > I built few years ago using a polyphase network.
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> >
> > running build_ext
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> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> >
> > quisk.c: In function ‘quisk_process_samples’:
> >
> > quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> > [-Wmisleading-indentation]
> >
> > else
> >
> > ^~~~
> >
> > quisk.c:2061:2: note: ...this statement, but the latter is misleadingly
> > indented as if it is guarded by the ‘else’
> >
> > if (tune != 0) {

```
> >
> > ^~
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_alsa.c -o build/temp.linux-armv7l-2.7/
> > sound_alsa.o
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_portaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> >
> > sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or
> directory
> >
> > #include <portaudio.h>
> >
> > ^
> >
> > compilation terminated.
> >
> > error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
> >
> > makefile:3: recipe for target 'all' failed
> >
> > make: *** [all] Error 1
> >
> > pi@raspberrypi:~/quisk $
> >
> >
> > Can someone help me to finish successfully installing?
> >
> > Thank you in advance!
> >
> > Sebi
```

> >
> >
> >
> >
> >
> >
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2456;_ylc=X3oDMTJy
bHI1bGwyBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU2BHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2456>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2M2
h2YW5vBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU2BHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1c
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2457;_ylc=X3oDMTJyY3
YxYmVtBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU3BHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 7:47 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> You also need portaudio19-dev installed.
> 73 ... Sid.
>
> On 13/11/17 12:34, Michael Durkin kc7noa@... [n2adr-sdr] wrote:
> > Is Portaudio still available to install?
> >
> > If I remember right there are test scripts in the main folder to test
> > if you have functioning alsa, pulseaudio and other audio streams
> >
> > On Nov 13, 2017 2:31 AM, "sebi_carjan@...
> > <mailto:sebi_carjan@...> [n2adr-sdr]" <n2adr-sdr@yahoogroups.com
> > <mailto:n2adr-sdr@yahoogroups.com>> wrote:
> >
> > ?
> >
> > Hello, I've seen this nice SDR on internet and I've decided to
> > install it on my Raspebery PI2. I_Q signals that I intend to use
> > are from a board that I built few years ago using a polyphase network.
> >

> > After I've got upgrade and update for my Rasp I tried to install
> > the 4.1.10 of Quisk and the process failed when I did "make". The
> > same problem with ver. 4.1.9. on my Rasp.
> >
> > The process is described here:
> >
> >
> > pi@raspberrypi:~/quisk $ make -j4
> >
> > python setup.py build_ext --force --inplace
> >
> > running build_ext
> >
> > building 'quisk._quisk' extension
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c quisk.c -o
> > build/temp.linux-armv7l-2.7/quisk.o
> >
> > quisk.c: In function ‘quisk_process_samples’:
> >
> > quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> > [-Wmisleading-indentation]
> >
>?? ?? else
> >
>?? ?? ^~~~
> >
> > quisk.c:2061:2: note: ...this statement, but the latter is
> > misleadingly indented as if it is guarded by the ‘else’
> >
>?? if (tune != 0) {
> >
>?? ^~
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound.c -o
> > build/temp.linux-armv7l-2.7/sound.o
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g

> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_alsa.c -o
> > build/temp.linux-armv7l-2.7/sound_alsa.o
> >
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_portaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> >
> > sound_portaudio.c:7:23: fatal error: portaudio.h: No such file or
> > directory
> >
> >? #include <portaudio.h>
> >
> >?????? ???????????????? ^
> >
> > compilation terminated.
> >
> > error: command 'arm-linux-gnueabihf-gcc' failed with exit status 1
> >
> > makefile:3: recipe for target 'all' failed
> >
> > make: *** [all] Error 1
> >
> > pi@raspberrypi:~/quisk $?
> >
> >
> > Can someone help me to finish successfully installing?
> >
> > Thank you in advance!
> >
> > Sebi
> >
> >
> >
> >
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2457;_ylc=X3oDMTJy

OW5idHFmBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU3BHNlYwNkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2457>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2ZDJ2YXNvBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU3BHNlYwNkbXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
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> 1d
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2458;_ylc=X3oDMTJyb2dvaWw3BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 9:25 am (PST) . Posted by:
>
>
> sebi_carjan
>
>
>
> Thank you! You were right! I've installed, "libportaudio2"and
> "portaudio19-dev", which lacked.
> After the process has gone up to final, and lanch from line comand,
> I've seen quisk large skin, but many errors in configuration. I've
> tried to change window smaller but I don't succeded. They appeared in
> gray collour (unchangegible). When I did a reset from this meniu I
> couldn't lunch the program again.
>
>
> I've tried to "make" and to invoke python for instal again, but
> nothing has gone right.
>
>
> The whole process is bellow:
>
>
>
> pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
>
>
> pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> python setup.py build_ext --force --inplace
> running build_ext
> building 'quisk._quisk' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time

```
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> quisk.c: In function ‘quisk_process_samples’:
> quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> [-Wmisleading-indentation]
> else
> ^~~~
> quisk.c:2061:2: note: ...this statement, but the latter is
> misleadingly indented as if it is guarded by the ‘else’
> if (tune != 0) {
> ^~
> (this warning persists)
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_alsa.c -o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_portaudio.c -o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c is_key_down.c -o
> build/temp.linux-armv7l-2.7/is_key_down.o
```

```
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c microphone.c -o
> build/temp.linux-armv7l-2.7/microphone.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c utility.c -o
> build/temp.linux-armv7l-2.7/utility.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c filter.c -o
> build/temp.linux-armv7l-2.7/filter.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c extdemod.c -o
> build/temp.linux-armv7l-2.7/extdemod.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> -I/usr/include/python2.7 -c freedv.c -o
> build/temp.linux-armv7l-2.7/freedv.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/quisk.o
> build/temp.linux-armv7l-2.7/sound.o
> build/temp.linux-armv7l-2.7/sound_alsa.o
> build/temp.linux-armv7l-2.7/sound_portaudio.o
> build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> build/temp.linux-armv7l-2.7/is_key_down.o
> build/temp.linux-armv7l-2.7/microphone.o
```

```
> build/temp.linux-armv7l-2.7/utility.o
> build/temp.linux-armv7l-2.7/filter.o
> build/temp.linux-armv7l-2.7/extdemod.o
> build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
> building 'quisk.sdriqpkg.sdriq' extension
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> -Wdate-time -D_FORTIFY_SOURCE=2 -g
> -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> -fstack-protector-strong -Wformat -Werror=format-security
> build/temp.linux-armv7l-2.7/import_quisk_api.o
> build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
>
>
> pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> running install
> running build
> running build_py
> copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> running build_ext
> running build_scripts
> running install_lib
> copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> /usr/local/lib/python2.7/dist-packages/quisk
> byte-compiling
> /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> running install_scripts
> changing mode of /usr/local/bin/quisk to 755
> running install_egg_info
> Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
```

>
>
> Here I tried to lunch:
> pi@raspberrypi:~/quisk-4.1.10 $ quisk
> 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> environment variable not defined
> Traceback (most recent call last):
> File "/usr/local/bin/quisk", line 8, in <module>
> quisk.main()
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 5275, in main
> App()
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3056, in __init__
> wx.App.__init__(self, redirect=False)
> File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
> 8628, in __init__
> self._BootstrapApp()
> File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
> 8196, in _BootstrapApp
> return _core_.PyApp__BootstrapApp(*args, **kwargs)
> File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3494, in OnInit
> self.config_text = Hardware.open()
> File "softrock/hardware_usb.py", line 51, in open
> usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
> idProduct=self.conf.usb_product_id)
> File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py", line
> 1189, in find
> import usb.backend.libusb1 as libusb1
> ImportError: No module named backend.libusb1 (this is new error)
>
>
> pi@raspberrypi:~/quisk-4.1.10 $
>
> ---
>
>
>
>
>
>
>
>
>
>
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2458;_ylc=X3oDMTJy
N21naWN0BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYw

NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2458>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2dn
EzajAzBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU4BHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
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>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2459;_ylc=X3oDMTJyam
1kMDBhBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 9:52 am (PST) . Posted by:
>
>
> sebi_carjan
>
> Hello to everyone!
> I am not a Unix user, and please excuse me with so many details! I saw
> Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> PI3 which seems run faster.
> But seeng how the things go, I'm a bit reticent because of my poor
> Raspbian (Debian...) knowledge. It is a new world!
>
>
> Thank you supporting me,
>
>
>
> Sebi (YO2CBQ)
>
>
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2459;_ylc=X3oDMTJy
YTA2bzVnBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2459>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2Zm
9vMG1iBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDU5BHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1f

>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2460;_ylc=X3oDMTJyYX
VnOHFqBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 10:15 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> Check you have libusb packages.
> --------------------------------
> libusb-0.1-4
> libusb-1.0-0
> libusb-1.0-0-dev
> libusb-dev
>
> Warnings are not unusual but errors in the build are fatal.
> "make -j 4"? seems to end normally at quisk-4.1.10/sdriqpkg/sdriq.so
> without an error.
> "python setup.py install" should also not show up an error.
> Launch from within quisk-4.1.10 with "python quisk.py" as sometimes
> there can be a rogue previous install with a binary at /use/bin/quisk.
>
> If there is a file ~/quisk_conf.py", remove it. ~/quisk_settings.json is
> generated at startup.
> Depending on the screen size you may manually have to change the setting
> "Large screen" to
> "button_layout": "Small screen" if you have e.g a 7 inch LCD screen.
>
> I have had to play with other values for a 7 inch screen
> ????? "default_font_size": "12",
> ????? "favorites_font_size": "10",
> ????? "config_font_size": "14",
> ????? "button_font_size": "14",
> ????? "graph_font_size": "12",
> ????? "fft_size_multiplier": "0",
> ????? "graph_msg_font_size": "14",
> ????? "status_font_size": "8",
> ????? "window_height": "600",
>
> If it's a touch screen install xinput-calibrator package and run
> xinput_calibrator --list to see the list of input device ID's
> xinput_calibrator --device <id>
> Use the mouse to click on + in the upper left corner, it then jumps to
> the upper right corner, next click it jumps to the lower left corner,
> next to the lower right corner, next it prints out the settings and

> information where to store it. e.g:
> # cat /usr/share/X11/xorg.conf.d/99-calibration.conf
> Section "InputClass"
> ??????? Identifier????? "calibration"
> ??????? MatchProduct??? "eGalax Inc. Touch"
> ??????? Option? "Calibration"?? "2058 10 38 2050"
> ??????? Option? "SwapAxes"????? "0"
> ####??????? Option? "InvertX"?? "1"
> EndSection
>
> Sometimes the sense is wrong, e.g scroll up works as scroll down, scroll
> left scrolls right, change Option "SwapAxes" "1"
> If only X or Y are inverted? Option "InvertX" "1" or Option
> "invertY" "1"
> Then reboot.
>
> 73 ... Sid.
>
> On 13/11/17 17:25, sebi.carjan@... [n2adr-sdr] wrote:
> >
> > Thank you! You were right! I've installed, "libportaudio2"and
> > "portaudio19-dev", which lacked.
> > After the process has gone up to final, and lanch from line comand,
> > I've seen quisk large skin, but many errors in configuration. I've
> > tried to change window smaller but I don't succeded. They appeared in
> > gray collour (unchangegible). When I did a reset from this meniu I
> > couldn't lunch the program again.
> >
> > I've tried to "make" and to invoke python for instal again, but
> > nothing has gone right.
> >
> > The whole process is bellow:
> >
> > pi@raspberrypi:~ $ cd /home/pi/quisk-4.1.10
> >
> > pi@raspberrypi:~/quisk-4.1.10 $ make -j4
> > python setup.py build_ext --force --inplace
> > running build_ext
> > building 'quisk._quisk' extension
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c quisk.c -o
> build/temp.linux-armv7l-2.7/quisk.o
> > quisk.c: In function ‘quisk_process_samples’:
> > quisk.c:2059:5: warning: this ‘else’ clause does not guard...
> > [-Wmisleading-indentation]
> > ? ? ?else

```
> > ? ? ?^~~~
> > quisk.c:2061:2: note: ...this statement, but the latter is
> > misleadingly indented as if it is guarded by the ‘else’
> > ? if (tune != 0) {
> > ? ^~
> > (this warning persists)
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound.c -o
> build/temp.linux-armv7l-2.7/sound.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_alsa.c -o
> > build/temp.linux-armv7l-2.7/sound_alsa.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_portaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c sound_pulseaudio.c -o
> > build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c is_key_down.c -o
> > build/temp.linux-armv7l-2.7/is_key_down.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c microphone.c -o
> > build/temp.linux-armv7l-2.7/microphone.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
```

```
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c utility.c -o
> > build/temp.linux-armv7l-2.7/utility.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c filter.c -o
> > build/temp.linux-armv7l-2.7/filter.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c extdemod.c -o
> > build/temp.linux-armv7l-2.7/extdemod.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC
> > -I/usr/include/python2.7 -c freedv.c -o
> > build/temp.linux-armv7l-2.7/freedv.o
> > arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> > -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> > -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> > -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> > -Wdate-time -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security
> > build/temp.linux-armv7l-2.7/quisk.o
> > build/temp.linux-armv7l-2.7/sound.o
> > build/temp.linux-armv7l-2.7/sound_alsa.o
> > build/temp.linux-armv7l-2.7/sound_portaudio.o
> > build/temp.linux-armv7l-2.7/sound_pulseaudio.o
> > build/temp.linux-armv7l-2.7/is_key_down.o
> > build/temp.linux-armv7l-2.7/microphone.o
> > build/temp.linux-armv7l-2.7/utility.o
> > build/temp.linux-armv7l-2.7/filter.o
> > build/temp.linux-armv7l-2.7/extdemod.o
> > build/temp.linux-armv7l-2.7/freedv.o -lasound -lportaudio -lpulse
> > -lfftw3 -lm -o /home/pi/quisk-4.1.10/_quisk.so
> > building 'quisk.sdriqpkg.sdriq' extension
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
```

```
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> > -I.. -I/usr/include/python2.7 -c import_quisk_api.c -o
> > build/temp.linux-armv7l-2.7/import_quisk_api.o
> > arm-linux-gnueabihf-gcc -pthread -DNDEBUG -g -fwrapv -O2 -Wall
> > -Wstrict-prototypes -fno-strict-aliasing -Wdate-time
> > -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -fPIC -I.
> > -I.. -I/usr/include/python2.7 -c sdriqpkg/sdriq.c -o
> > build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o
> > arm-linux-gnueabihf-gcc -pthread -shared -Wl,-O1
> > -Wl,-Bsymbolic-functions -Wl,-z,relro -fno-strict-aliasing -DNDEBUG -g
> > -fwrapv -O2 -Wall -Wstrict-prototypes -Wdate-time -D_FORTIFY_SOURCE=2
> > -g -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security -Wl,-z,relro
> > -Wdate-time -D_FORTIFY_SOURCE=2 -g
> > -fdebug-prefix-map=/build/python2.7-9xgeTe/python2.7-2.7.13=.
> > -fstack-protector-strong -Wformat -Werror=format-security
> > build/temp.linux-armv7l-2.7/import_quisk_api.o
> > build/temp.linux-armv7l-2.7/sdriqpkg/sdriq.o -lm -o
> > /home/pi/quisk-4.1.10/sdriqpkg/sdriq.so
> >
> > pi@raspberrypi:~/quisk-4.1.10 $ sudo python setup.py install
> > running install
> > running build
> > running build_py
> > copying ./__init__.py -> build/lib.linux-armv7l-2.7/quisk
> > running build_ext
> > running build_scripts
> > running install_lib
> > copying build/lib.linux-armv7l-2.7/quisk/__init__.py ->
> > /usr/local/lib/python2.7/dist-packages/quisk
> > byte-compiling
> > /usr/local/lib/python2.7/dist-packages/quisk/__init__.py to __init__.pyc
> > running install_scripts
> > changing mode of /usr/local/bin/quisk to 755
> > running install_egg_info
> > Removing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> > Writing /usr/local/lib/python2.7/dist-packages/quisk-4.1.10.egg-info
> >
> > Here I tried to lunch:
> > pi@raspberrypi:~/quisk-4.1.10 $ quisk
> > 18:40:42: Debug: Failed to connect to session manager: SESSION_MANAGER
> > environment variable not defined
> > Traceback (most recent call last):
> > ? File "/usr/local/bin/quisk", line 8, in <module>
> > ? ? quisk.main()
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 5275, in main
```

> > ? ? App()
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 3056, in __init__
> > ? ? wx.App.__init__(self, redirect=False)
> > ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> > line 8628, in __init__
> > ? ? self._BootstrapApp()
> > ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py",
> > line 8196, in _BootstrapApp
> > ? ? return _core_.PyApp__BootstrapApp(*args, **kwargs)
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> > 3494, in OnInit
> > ? ? self.config_text = Hardware.open()
> > ? File "softrock/hardware_usb.py", line 51, in open
> > ? ? usb_dev = usb.core.find(idVendor=self.conf.usb_vendor_id,
> > idProduct=self.conf.usb_product_id)
> > ? File "/usr/local/lib/python2.7/dist-packages/quisk/usb/core.py",
> > line 1189, in find
> > ? ? import usb.backend.libusb1 as libusb1
> > ImportError: No module named backend.libusb1 (this is new error)
> >
> > pi@raspberrypi:~/quisk-4.1.10 $
> > --
> >
> >
> >
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2460;_ylc=X3oDMTJy
aW5objRyBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2460>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2OW
U0ZjNiBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYwBHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
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>
> Re: Installing Quisk on Raspberry PI2!

> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2461;_ylc=X3oDMTJybH
Zjcm4yBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 10:26 am (PST) . Posted by:
>
>
> "Sid Boyce" priddix
>
> Looks like I have just answered some of the questions in my post just
> sent.
>
> The Pi 3 is certainly faster.
>
> I started with a Pi 1 model B then a Pi 2, Pi 3, ODROID-X/-U3/-C1 and
> now a -C2. I am now preparing to use a NanoPi M3 (8-core 64-bit) which
> is amazingly fast.
> The M3 has been superceded by the NanoPi Fire3 which is a smaller board
> - it's really a M3 with only 1 USB2.0 port and no WiFi.
>
> My QRZ.com page to see my HiQSDR transceiver with a built in 7 inch
> touch screen. It started out using a Pi 1 model B, upgraded to a Pi 3
> and now runs an ODROID-C2.
> 73 ... Sid.
>
> On 13/11/17 17:52, sebi.carjan@... [n2adr-sdr] wrote:
> > Hello to everyone!
> > I am not a Unix user, and please excuse me with so many details! I saw
> > Quisk working on Youtube to N6QW and it seemed to me wonderful. So,
> > I'd like to see Quisk running on my PI2 - 7" display. Next I'll buy a
> > PI3 which seems run faster.
> > But seeng how the things go, I'm a bit reticent because of my poor
> > Raspbian (Debian...) knowledge. It is a new world!
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> > Thank you supporting me,
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> > Sebi (YO2CBQ)
> >
> >
>
> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2461;_ylc=X3oDMTJy
ams2NmJnBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYw

NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2461>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2NW
diNGk4BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYxBHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
>
>
> 1h
>
>
> Re: Installing Quisk on Raspberry PI2!
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2462;_ylc=X3oDMTJydn
VsNDNrBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYwNk
bXNnBHNsawN2bXNnBHN0aW1lAzE1MTA2MTk4NDU->
>
>
> Mon Nov 13, 2017 4:05 pm (PST) . Posted by:
>
>
> "Robert Nickels" w9ran
>
> On 11/13/2017 11:52 AM, sebi.carjan@... [n2adr-sdr] wrote:
> > So, I'd like to see Quisk running on my PI2 - 7" display. Next I'll
> > buy a PI3 which seems run faster.
>
> Sebi, I think that's the right approach, I haven't tried it on the R-Pi1
> but the Pi-3 and touchscreen runs Quisk very nicely. While receiving SSB
> the load average is about .75, meaning it's using 3/4 of one CPU core,
> which leave plenty of processing power available to do other things (and
> suggests that it will run just fine on the Pi-2 as well).
>
> It was definitely a learning experience getting the configuration
> settings right, but the most challenges were with the Pi audio where
> Alsa audio through the internal audio jack is the most reliable.
> Bluetooth audio does work but I've had problems with it hanging up after
> starting/stopping the SDR and unable to recover without a hassle.?? I've
> also used one of the cheap USB soundcards driving an amplified speaker.
>
> I've configured Quisk to work with both my Hermes-Lite 1.0 via ethernet,
> and RS-HFIQ (USB soundcard).?? My initial experiences using wi-fi was
> really poor, and after reading about some issues with the Pi I decided
> to switch to hardwired ethernet.? These issues may be corrected by now,
> I need to upgrade by software and give it another try.?? I also need to
> fight thru re-installing the DV software, which was a real pain.
>
> One trick you might want to try for initial setup is to install an X
> Server (I use Xming) on your PC so you can run Quisk remotely and
> display the "large" screen.?? Once you change it to the "small" screen
> and get your configuration right, you can close the remote connection
> and try running from the Pi directly. Everything fits nicely on the

> small screen except you do have to scroll to the right in the radio
> configuration screens.?? The buttons on the Pi touchscreen as small, but
> I've been able to use them just fine, even though a wired or bluetooth
> pointing device is generally easier for tuning.
>
> Here's a pic of the Pi touchscreen to provide encouragement that it can
> be done!
>
> https://i.imgur.com/kGgq4Lt.jpg
>
> I'm certainly no Linux guru, so with persistence I'm sure you will have
> equal success.??? Thanks again to N2ADR for such a fine piece of software!
>
> 73, Bob W9RAN
>
> Reply to sender . Reply to group . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/messages/2462;_ylc=X3oDMTJy
c3FyYmp0BF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYw
NkbXNnBHNsawNycGx5BHN0aW1lAzE1MTA2MTk4NDU-?act=reply&messageNum=2462>.
> All Messages (8)
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/conversations/topics/2455;_ylc=X3oDMTM2Mz
hkZWNqBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyNDYyBHNlYwNk
bXNnBHNsawN2dHBjBHN0aW1lAzE1MTA2MTk4NDUEdHBjSWQDMjQ1NQ-->.
> Top ^ <#toc>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/info;_ylc=X3oDMTJmOTBsbW4zBF9TAzk3MzU5NzE
1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTA2MTk4N
DU->
>
>
> ⋆ New Members
> <https://groups.yahoo.com/neo/groups/n2adr-sdr/members/all;_ylc=X3oDMTJncHBsN21oBF9TAzk3
MzU5NzE1BGdycElkAzY4NjE0MzE3BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNT
EwNjE5ODQ1>
> 2
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlOGNqdWloBF9TAzk3MzU5NzE1BGdycElkAzY4NjE0MzE3B
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxMDYxOTg0NQ-->
>
> • Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> •
> Unsubscribe • Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>

>
>
>

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2468. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 09:23:48 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2468
Attachments: 5 described; binary payloads are missing from this source WARC

Good morning,
I hate this digest way! Just I lost a post yesterday!

I reinstalled from zero Raspbian, libs and Quisk. It seems all is going well. I can listen audio output from PI2. However, I have some questions.
- How to get microphone input since I have only one audio input (Line-in, or microphone) on Xonar U7? PI2, has only playback output. But system being simplex would be a possibility to change Line in in microphone when TX. I don't know if it just runs!
Input audio from Pulse audio/Volum control, that I notice has only a possibility: setting only one,

-I can't see Tx output, because there isn't ability to do it (inhibited PTT).
Sid, look at results you asked me:

```
pi@rasp_sebi:~ $ cat /proc/asound/cards
0 [ALSA ]: bcm2835 - bcm2835 ALSA
bcm2835 ALSA
1 [U7 ]: USB-Audio - Xonar U7
ASUS Xonar U7 at usb-3f980000.usb-1.3, high speed
```

```
pi@rasp_sebi:~ $ fsuever -v /dev/snd/* // this command doesn't work!
bash: fsuever: command not found
```

Few attachments of my Quisk!

Sebi

2469. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 12:32:01 UTC
From: Sid Boyce
Topic: 2455 Message: 2469

Apologies, I didn't spot the typo, it should be "fuser -v /dev/snd/*"
73 ... Sid.

On 15/11/17 09:23, sebi.carjan@... [n2adr-sdr] wrote:
>
> Good morning,
>
>
> I hate this digest way! Just I lost a post yesterday!
>
> I reinstalled from zero Raspbian, libs and Quisk. It seems all is
> going well. I can listen audio output from PI2. However, I have some
> questions.
> - How to get microphone input since I have only one audio input
> (Line-in, or microphone) on Xonar U7? PI2, has only playback output.
> But system being simplex would be a possibility to change Line in in
> microphone when TX. I don't know if it just runs!
> Input audio from Pulse audio/Volum control, that I notice has only a
> possibility: setting only one,
>
> -I can't see Tx output, because there isn't ability to do it
> (inhibited PTT).
> Sid, look at results you asked me:
>
> pi@rasp_sebi:~ $ cat /proc/asound/cards
> ?0 [ALSA? ? ? ? ? ?]: bcm2835 - bcm2835 ALSA
> ? ? ? ? ? ? ? ? ? ? bcm2835 ALSA
> ?1 [U7? ? ? ? ? ? ?]: USB-Audio - Xonar U7
> ? ? ? ? ? ? ? ? ? ? ASUS Xonar U7 at usb-3f980000.usb-1.3, high speed
>
> pi@rasp_sebi:~ $ fsuever -v /dev/snd/* // this command doesn't work!
> bash: fsuever: command not found
>
> Few attachments of my Quisk!
>
> Sebi
>
>

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2470. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 15:52:37 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2470

Tnx Sid,

Look what I've got:

```
pi@rasp_sebi:~ $ cat /proc/asound/cards
0 [ALSA ]: bcm2835 - bcm2835 ALSA
bcm2835 ALSA
1 [U7 ]: USB-Audio - Xonar U7
ASUS Xonar U7 at usb-3f980000.usb-1.3, high speed
pi@rasp_sebi:~ $ fuser -v /dev/snd/*
USER PID ACCESS COMMAND
/dev/snd/controlC0: pi 681 F.... lxpanel
pi 717 F.... pulseaudio
/dev/snd/controlC1: pi 717 F.... pulseaudio
/dev/snd/pcmC0D0p: pi 1705 F.... quisk
pi@rasp_sebi:~ $
```

I've understood I need RF-Hardware. I built a RTX Poliphase two years ago and I took I/Q out for an eventual SDR receiver. Unfortunatelly I dismounted it to change DDS firmware(I've not finished)and need a while to make it runnig.
This U7 is a good audio-card. Just I used it to test few tube amplifier using Arta Software with good results.

However I tested Rx, injecting I/Q signals to the Xonar U7 Line-In inputs, on Graph (Scope) signal show nice. My problem is that can't see Tx output, because there isn't ability to do it (inhibited PTT).
I uploaded few quisk photos, but I cant see them on my post!
Looking at NanoPI, seems to me is a top product. It will be a next project and I hope to inspire me from you. Firstly I'd like to finish PI2 application.

73 Sebi

2471. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 16:57:15 UTC
From: Sid Boyce
Topic: 2455 Message: 2471

```
Depends on what radio you intend to connect, DDC/DUC rigs such as HiQSDR
and Hermes-Lite only require one sound card for Mic/Spkrs,
Softrock needs 2 sound cards, one for Mic/Spkrs and one to interface
with the rig, Peaberry/Omnia have on-board codec chip only requiring one
sound card for Mic/Spkrs.

Without a rig connected and configured quisk really does nothing.
root@odroid64:~# cat /proc/asound/cards
?0 [ODROIDHDMI???? ]: ODROID-HDMI - ODROID-HDMI
?????????????????????? ODROID-HDMI
?1 [Device???????? ]: USB-Audio - USB Sound Device
?????????????????????? USB Sound Device at usb-dwc2_b-1.4, full speed

Hermes-Lite is connected to this ODROID-C2, doesn't matter whether it
would be a PC, Raspberrr Pi or any other ARM platform. python in the
display indicates? that quisk is using card 1 for Mic/Spkrs.
root@odroid64:~# fuser -v /dev/snd/*
?????????????????????? USER??????? PID ACCESS COMMAND
/dev/snd/controlC0:? odroid???? 1143 F.... pulseaudio
/dev/snd/controlC1:? odroid???? 1143 F.... pulseaudio
/dev/snd/pcmC1D0c:?? odroid???? 1558 F.... python
/dev/snd/pcmC1D0p:?? odroid???? 1558 F.... python

On this other ODROID-C2 I have a 7 inch monitor, keyboard and mouse?
connected to it but no RF hardware and I get same quisk displays.
root@odroidC2:~# fuser -v /dev/snd/*
?????????????????????? USER??????? PID ACCESS COMMAND
/dev/snd/controlC0:? odroid???? 3825 F.... pulseaudio
/dev/snd/pcmC0D0c:?? odroid???? 4168 F.... python
/dev/snd/pcmC0D0p:?? odroid???? 4168 F.... python
73 ... Sid.

On 15/11/17 09:23, sebi.carjan@... [n2adr-sdr] wrote:
>
> Good morning,
>
>
> I hate this digest way! Just I lost a post yesterday!
>
> I reinstalled from zero Raspbian, libs and Quisk. It seems all is
> going well. I can listen audio output from PI2. However, I have some
> questions.
> - How to get microphone input since I have only one audio input
> (Line-in, or microphone) on Xonar U7? PI2, has only playback output.
> But system being simplex would be a possibility to change Line in in
> microphone when TX. I don't know if it just runs!
```

> Input audio from Pulse audio/Volum control, that I notice has only a
> possibility: setting only one,
>
> -I can't see Tx output, because there isn't ability to do it
> (inhibited PTT).
> Sid, look at results you asked me:
>
> pi@rasp_sebi:~ $ cat /proc/asound/cards
> ?0 [ALSA? ? ? ? ? ?]: bcm2835 - bcm2835 ALSA
> ? ? ? ? ? ? ? ? ? ? ? bcm2835 ALSA
> ?1 [U7? ? ? ? ? ? ?]: USB-Audio - Xonar U7
> ? ? ? ? ? ? ? ? ? ? ? ASUS Xonar U7 at usb-3f980000.usb-1.3, high speed
>
> pi@rasp_sebi:~ $ fsuever -v /dev/snd/* // this command doesn't work!
> bash: fsuever: command not found
>
> Few attachments of my Quisk!
>
> Sebi
>
>

--
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2472. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 17:17:33 UTC
From: Sid Boyce
Topic: 2455 Message: 2472

I am not familiar with that transceiver.
Can you point me to a site?
73 ... Sid.

On 15/11/17 15:52, sebi.carjan@... [n2adr-sdr] wrote:
> Tnx Sid,
>
> Look what I've got:
>
> pi@rasp_sebi:~ $ cat /proc/asound/cards
> ?0 [ALSA? ? ? ? ? ?]: bcm2835 - bcm2835 ALSA
> ? ? ? ? ? ? ? ? ? ? ? bcm2835 ALSA
> ?1 [U7? ? ? ? ? ? ?]: USB-Audio - Xonar U7
> ? ? ? ? ? ? ? ? ? ? ? ASUS Xonar U7 at usb-3f980000.usb-1.3, high speed
> pi@rasp_sebi:~ $ fuser -v /dev/snd/*
> ? ? ? ? ? ? ? ? ? ? ?USER? ? ? ? PID ACCESS COMMAND
> /dev/snd/controlC0:? pi? ? ? ? ? 681 F.... lxpanel
> ? ? ? ? ? ? ? ? ? ? ?pi? ? ? ? ? 717 F.... pulseaudio
> /dev/snd/controlC1:? pi? ? ? ? ? 717 F.... pulseaudio
> /dev/snd/pcmC0D0p:? ?pi? ? ? ? ?1705 F.... quisk
> pi@rasp_sebi:~ $
>
> I've understood I need RF-Hardware. I built a RTX Poliphase two years
> ago and I took I/Q out for an eventual SDR receiver. Unfortunatelly I
> dismounted it to change DDS firmware(I've not finished)and need a
> while to make it runnig.
> This U7 is a good audio-card. Just I used it to test few tube
> amplifier using Arta Software with good results.
>
> However I tested Rx, injecting I/Q signals to the Xonar U7 Line-In
> inputs, on Graph (Scope) signal show nice. My problem is that can't
> see Tx output, because there isn't ability to do it (inhibited PTT).
> I uploaded few quisk photos, but I cant see them on my post!
> Looking at NanoPI, seems to me is a top product. It will be a next
> project and I hope to inspire me from you. Firstly I'd like to finish
> PI2 application.
>
> 73 Sebi
>

--
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2473. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 19:15:55 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2473

Sid,
Structure of this Trx runs in the same way like SftRock built after my mind. Instead of a DSP it has a polyphase network, an analogical manner to get SSB. It looks like with the project of OH2NLT, using only one RC network. You can see here OH2NLT TRX http://www.jumaradio.com/juma-trx2/ http://www.jumaradio.com/juma-trx2/ .

If I look to Quisk and my trx I notice that I need:
1. I/Q in-out
I/Q output for Tx. I have it on U7 (audio output)
I/Q input, for signals that comes from Rx module of trx. I have it on U7 (line-in)
2. In/Out to the user
Sound Output (from PI board) for speaker.
Sound input for microphone needed by Quisk. I don't have it!

Tell me where am I wrong?

Sebi

2474. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 19:23:10 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2474

Sid, here is a test phase before building Tx part!
https://www.youtube.com/watch?v=8LN5D65NNs8 https://www.youtube.com/watch?v=8LN5D65NNs8

2475. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-15 22:31:21 UTC
From: Sid Boyce
Topic: 2455 Message: 2475

The Softrock is controlled by quisk over USB talking to the DG8SAQ firmware.
The Juma appears to have only a serial interface.

May be it would have to be keyed via RS232 interface which should then
enable the PTT button, e.g for sdr-iq

quisk_conf_defaults.py:## sdriq_name   Serial port, text
quisk_conf_defaults.py:# The name of the SDR-IQ serial port to open.
quisk_conf_defaults.py:# transmit somehow, for example, by setting a
serial port pin to high.
quisk_conf_defaults.py:# key_method = "/dev/ttyS0"   # Use the named
serial port
73 ... Sid.

On 15/11/17 19:15, sebi.carjan@... [n2adr-sdr] wrote:
> Sid,
> Structure of this Trx runs in the same way like SftRock built after my
> mind. Instead of a DSP it has a polyphase network, an analogical
> manner to get SSB. It looks like with the project of OH2NLT, using
> only one RC network. You can see here OH2NLT TRX
> http://www.jumaradio.com/juma-trx2/ .
>
> If I look to Quisk and my trx I notice that I need:
> 1. I/Q in-out
> I/Q output for Tx. I have it on U7 (audio output)
> I/Q input, for signals that comes from Rx module of trx. I have it on
> U7 (line-in)
> 2. In/Out to the user
> Sound Output (from PI board) for speaker.
> Sound input for microphone needed by Quisk. I don't have it!
>
> Tell me where am I wrong?
>
> Sebi
>
>

--
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2481. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-16 10:04:11 UTC
From: sebi.carjan@...
Topic: 2455 Message: 2481

Hi Sid,
We speak about analog inputs/outputs! SDR has two quadrature mixers (usually Tayloe), one for Rx another one for Tx. Both use I/Q signals, Rx source I/Q, Tx sink I/Q. These signals are analog and they are converted digitally in sound cards. All these analog inputs/outputs from SDR use ability of stereo channels from sound cards (I -> channel 0, Q -> channel 1, or inverted, to keep USB and LSB correct).
Like any transceiver we need analog input/output for microphone and speaker. This kind of SDR trx use Serial, I2C, USB, etc. for comands like bands, frequency (DDS comands or SI570), modes (SSB, CW), PTT...This structure is similar to SoftRock.

Hermes, and many others, do SDR in FPGA and have ADC and DAC on the same board, so that they work directly digital using USB for data streaming. They need only analog input/output only for microphone and speaker (we live in analog world). There is SDR which has the same structure like SoftRock but I/Q analog signals are converted digital on the same board and data streaming through USB comes in computers. They don't need any sound card for analogI/Q .

Looking at my needs, physically I need an analog input for microphone (where may I connect it?). I'll buy another sound card for that. I don't like PI2, because it has only analog output (which I use for speaker) and no any analog input for microphone. On the other hand U7 has many analog stereo outputs but only a switchable analog input for microphone or Lin-in. Hope you have understood my problems!
.
Myself I'm a newbie in Unix, so that I can't understand well enough so many commands! Now, I can't set Quisk to run in Tx. I have all Tx buttons inhibited. If I do setting matched for (inputs/outputs of sound cards) for Tx I don't see enabling the buttons for Tx and no any analog signals to the sound card output!

Rx runs fine! I saw signals on the Quisk Graph when I put I/Q signals from a generator to the analog inputs of sound card (U7).
Sebi

2482. Re: [n2adr-sdr] Re: Installing Quisk on Raspberry PI2!

Yahoo group: n2adr-sdr
Date: 2017-11-17 19:15:33 UTC
From: David Turner
Topic: 2455 Message: 2482

Hi Sebi.
Have a look at this, it may help.
http://oz9aec.net/radios/omnia-sdr/using-the-omnia-sdr-with-quisk-on-linux
Dave.g0vvf.

On Friday, 17 November 2017, 07:50:58 GMT, sebi.carjan@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Sid,We speak about analog inputs/outputs! SDR has two quadrature mixers (usually Tayloe), one for Rx another one for Tx. Both use I/Q signals, Rx source I/Q, Tx sink I/Q. These signals are analog and they are converted digitally in sound cards. All these analog inputs/outputs from SDR use ability of stereo channels from sound cards (I -> channel 0, Q -> channel 1, or inverted, to keep USB and LSB correct). Like any transceiver we need analog input/output for microphone and speaker. This kind of SDR trx use Serial, I2C, USB, etc. for comands like bands, frequency (DDS comands or SI570), modes (SSB, CW), PTT...This structure is similar to SoftRock.
Hermes, and many others, do SDR in FPGA and have ADC and DAC on the same board, so that they work directly digital using USB for data streaming. They need only analog input/output only for microphone and speaker (we live in analog world). There is SDR which has the same structure like SoftRock but I/Q analog signals are converted digital on the same board and data streaming through USB comes in computers. They don't need any sound card for analogI/Q .
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Rx runs fine! I saw signals on the Quisk Graph when I put I/Q signals from a generator to the analog inputs of sound card (U7).Sebi

2483. Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-17 19:46:59 UTC
From: bjarnevs@...
Topic: 2483 Message: 2483

I am using a Raspberyy PI2 B+, and I just installed the newest version of Quisk on my RPI2. When I am trying to start the program with the Hermes as startup radio, I'm getting this error: "Failure for hardware file hermes/quisk_hardware.py!".
And then the terminal says this after I press "OK":

```
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.front
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround21
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround21
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround40
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround41
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround50
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround51
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround71
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition
'defaults.bluealsa.device'
ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such file or directory
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition
'defaults.bluealsa.device'
ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer returned error: No
such file or directory
ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such file or directory
ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
connect(2) call to /tmp/jack-1000/default/jack_0 failed (err=No such file or directory)
attempt to connect to server failed
Traceback (most recent call last):
File "/usr/local/bin/quisk", line 8, in <module>
quisk.main()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 5280, in main
App()
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3056, in __init__
```

```
wx.App.__init__(self, redirect=False)
File "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line 7981, in
__init__
self._BootstrapApp()
File "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py", line 7555, in
_BootstrapApp
return _core_.PyApp__BootstrapApp(*args, **kwargs)
File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line 3480, in OnInit
conf.tx_ip = Hardware.hermes_ip
AttributeError: Hardware instance has no attribute 'hermes_ip'
```

I am quite new to Linux, so I don't know what the problem is...

I've tried reinstalling Quisk several times, each times using a different guide, and I still end up with the same error.

Does anyone have a solution for this particular problem?

I would greatly appreciate your help!

Bjarne,
OZ1UM

2484. Re: [n2adr-sdr] Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-18 01:24:35 UTC
From: Sid Boyce
Topic: 2483 Message: 2484

You can ignore the ALSA messages, they are just noise.
root@odroidC2:/opt/quisk-4.1.10# grep hermes quisk.py
??????? conf.tx_ip = Hardware.hermes_ip
????????? d = QS.get_hermes_adc()
The above code is working for Hermes-Lite but I don't know if it should
also work for Hermes.

Almost a year ago - how time flies - I ran quisk on Hermes+eb104.ru
BPF/300W PA/LPF, it worked except for the filter switching via J16.
Jim sent me some settings to try. I hope to do so perhaps on Monday.

I was busy with other stuff and ran out of bench space but now it's
almost ready.
I changed the resistor on Hermes as required for Protocol2 support.
I'll check quisk-4.1.10 before I program the Protocol2 firmware.
73 ... Sid.

On 17/11/17 19:46, bjarnevs@... [n2adr-sdr] wrote:
>
> I am using a Raspberyy PI2 B+, and I just installed the newest version
> of Quisk on my RPI2. When I am trying to start the program with the
> Hermes as startup radio, I'm getting this error: "Failure for hardware
> file hermes/quisk_hardware.py!".
>
> And then the terminal says this after I press "OK":
>
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.front
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.center_lfe
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround21
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround21
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround40
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM

> cards.pcm.surround41
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround50
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround51
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.surround71
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM
> cards.pcm.phoneline
>
> ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition
> 'defaults.bluealsa.device'
>
> ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such
> file or directory
>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
>
> ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition
> 'defaults.bluealsa.device'
>
> ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer
> returned error: No such file or directory
>
> ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such
> file or directory

>
> ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
>
> connect(2) call to /tmp/jack-1000/default/jack_0 failed (err=No such
> file or directory)
>
> attempt to connect to server failed
>
> Traceback (most recent call last):
>
> ? File "/usr/local/bin/quisk", line 8, in <module>
>
> ? ? quisk.main()
>
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 5280, in main
>
> ? ? App()
>
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3056, in __init__
>
> ? ? wx.App.__init__(self, redirect=False)
>
> ? File
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line 7981, in __init__
>
> ? ? self._BootstrapApp()
>
> ? File
> "/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode/wx/_core.py",
> line 7555, in _BootstrapApp
>
> ? ? return _core_.PyApp__BootstrapApp(*args, **kwargs)
>
> ? File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
> 3480, in OnInit
>
> ? ? conf.tx_ip = Hardware.hermes_ip
>
> AttributeError: Hardware instance has no attribute 'hermes_ip'
>
>
> I am quite new to Linux, so I don't know what the problem is...
>
>
> I've tried reinstalling Quisk several times, each times using a
> different guide, and I still end up with the same error.
>

>
> Does anyone have a solution for this particular problem?
>
>
> I would greatly appreciate your help!
>
>
> Bjarne,
>
> OZ1UM
>
>

--
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2485. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-18 10:56:08 UTC
From: bjarnevs@...
Topic: 2483 Message: 2485

Hi Sid

Thank you for your answer.

Since I am not good with Linux, I'm afraid I don't know what I have to do with the code you just sent me.

I tried to find the quisk-4.1.10 folder you were specifying under /opt/, but it wasn't there.

It's my two sons whom are trying to get the RPI2 working with Hermes because I'm not good at all with computers and software in general.

I hope you have a solution.

73 ... OZ1UM
Bjarne

2486. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-18 20:19:25 UTC
From: Sid Boyce
Topic: 2483 Message: 2486

Hi Bjarne,
That's part of the C code in quisk which may or may not be significant if I have the same? problem as you have and I need to ask Jim for help. The ADC in Hermes-Lite and Hermes are not the same so a change may be necessary.

I chose to store the source for quisk-4.1.10 in /opt. It can be stored anywhere so i's of no real significance. It could be installed in /home/pi or anywhere else.
73 ... Sid.

On 18/11/17 10:56, bjarnevs@... [n2adr-sdr] wrote:
>
> Hi Sid
>
>
> Thank you for your answer.
>
> Since I am not good with Linux, I'm afraid I don't know what I have to
> do with the code you just sent me.
>
> I tried to find the quisk-4.1.10 folder you were specifying under
> /opt/, but it wasn't there.
>
> It's my two sons whom are trying to get the RPI2 working with Hermes
> because I'm not good at all with computers and software in general.
>
> I hope you have a solution.
>
> 73 ... OZ1UM
> Bjarne
>

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2487. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-18 20:45:35 UTC
From: bjarnevs@...
Topic: 2483 Message: 2487

Hi Sid

Thank you again for your answer.

I'm very happy that you want to help me.

I found the folder where Quisk is located and I still don't know what to do exactly (pardon my bad Linux skills...)

I would really love to get Quisk running properly on my RPI2. I already have it running on a Windows-based system.

73 ... OZ1UM
Bjarne

2488. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-19 01:08:21 UTC
From: Sid Boyce
Topic: 2483 Message: 2488

No problem, everyone has to start somewhere.
Over the weekend I shall see if I can put together something that will help you. The main difficulty is installing the pre-req packages so Ill try to get you some instructions using the GUI although I don't use it to install them and the documentation hasn't been updated in quite a long time to reflect the name of the latest packages.
73 ... Sid.

On 18/11/17 20:45, bjarnevs@... [n2adr-sdr] wrote:
>
> Hi Sid
>
>
> Thank you again for your answer.
>
> I'm very happy that you want to help me.
>
> I found the folder where Quisk is located and I still don't know what
> to do exactly (pardon my bad Linux skills...)
>
> I would really love to get Quisk running properly on my RPI2. I
> already have it running on a Windows-based system.
>
> 73 ... OZ1UM
> Bjarne
>

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2489. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-19 12:33:08 UTC
From: bjarnevs@...
Topic: 2483 Message: 2489

Thank you for the info.

We will take it slowly so no hurry.

I have in this moment quisk running on HIQSDR, ANAN 10, and Red Pitaya, but it would be interesting to try the little RPI2 B+ just of curioucity.

For your information I love the Quisk program, it fits me very well. The only thing I need on this program is a new FDV mode 700C.

We often use mode 1600 here by the experimenters (not many of them anymore)

VY 73
Bjarne, OZ1UM

2490. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-19 15:20:05 UTC
From: Robert Nickels
Topic: 2483 Message: 2490

On 11/19/2017 6:33 AM, bjarnevs@... [n2adr-sdr] wrote:
>
> For your information I love the Quisk program, it fits me very well.
> The only thing I need on this program is a new FDV mode 700C.
>
I agree Bjarne, and I think the integrated support for DV is a real plus for Quisk. However I struggled for several hours to install it the first time and after reinstalling a newer version of Quisk of course it's no longer available, so I need to do that process again (and of course I've forgotten what I finally ended up doing the first time!).

If anyone has tips or an improved procedure I'd be appreciative of it, since this is a good way to make use of these new digital voice modes.

73, Bob W9RAN

2491. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-19 19:31:06 UTC
From: dh5ym@...
Topic: 2483 Message: 2491

Hi,

you need to copy a new library libcodec2.so into freedvpkg subdirectory (you may delete the old) and add entries for the new modes to the quisk_conf_defaults.py after building from source.

freedv_modes = (('Mode 1600', 0), ('Mode 700', 1), ('Mode 700B', 2), ('2400A', 3), ('2400B', 4), ('800XA', 5), ('700C', 6))

2400 Modes will not work because using the wrong modulator, 800XA is not enabled in the library and will assert and cause Quisk to crash.

regards
Mario

2492. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-19 20:08:51 UTC
From: gvjury@...
Topic: 2483 Message: 2492

Hello Mario,

I used .quisk_conf.py to save my settings as below. I originally got these settings from a post from you and they work just fine thank you. Yes the 2400 modes are not working yet and the 800X mode crashes Quisk so I don't try to use them for now.

I notice that the power out on FreeDV is down on other digital modes and wonder if this is normal or if I have a wrong setting. It is a long way down probably around 6 dB or so which I would like to raise if possible.

My .quisk_conf.py file contents:

```
# This is a sample config file for the N2ADR 2010 transceiver hardware and for the
# improved version HiQSDR. If you use the HiQSDR you should upgrade your firmware
# to version 1.1.

#from hiqsdr import quisk_hardware

# These are the initial values for the Y-scale and Y-zero sliders for each screen.
# The sliders go from zero to 160.
graph_y_scale = 75 # Ys Slider
graph_y_zero = 81 # Yz Slider

## freedv_tx_msg FreeDv Tx message, text
# For freedv, this is the text message to send.
#freedv_tx_msg = ''
freedv_tx_msg = 'ZL2APV Graeme, New Plymouth, RF70bw \n'

# This is the list of FreeDV modes and their index number. The starting mode is the first
listed.
freedv_modes = (('Mode 1600', 0), ('Mode 700', 1), ('Mode 700B', 2), ('2400A', 3),
('2400B', 4), ('800XA', 5), ('700C', 6))
```

73, Graeme ZL2APV

2493. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-20 02:56:53 UTC
From: Sid Boyce
Topic: 2483 Message: 2493

When I tried listening freedv the bands were dead most of the time and
still are.

Most likely your loss of FDV could be due to the 32-bit x86 version of
the library Jim includes in the package.

What I do here is replace his version on all platforms - Arm, Arm64 and
x86_64 with the ones installed on the system, e.g:-
"cp -dp /usr/local/lib/libcodec2.so* /opt/quisk-4.1.10/freedvpkg/"
Run "make" and "python setup.py install"
root@odroidC2:/opt/quisk-4.1.10# ls -l freedvpkg/
total 1076
lrwxrwxrwx 1 root root????? 16 Oct 20 21:18 libcodec2.so -> libcodec2.so.0.8
-rw-r--r-- 1 root root 1091992 Nov 20 02:28 libcodec2.so.0.8
-rwxrwxrwx 1 root root??? 4247 Aug? 6? 2015 README.txt
root@odroidC2:/opt/quisk-4.1.10# ls -l freedvpkg/
total 1076
lrwxrwxrwx 1 root root????? 16 Oct 20 21:18 libcodec2.so -> libcodec2.so.0.8
-rw-r--r-- 1 root root 1091992 Nov 20 02:28 libcodec2.so.0.8
-rwxrwxrwx 1 root root??? 4247 Aug? 6? 2015 README.txt

FDV-U shows up in quisk

I use codec2-dev built from source, the previous libcodec2.so.6 and the
latest libcodec2.so.8 are fine.
73 ... Sid.

On 19/11/17 15:20, Robert Nickels w9ran@... [n2adr-sdr] wrote:
>
> On 11/19/2017 6:33 AM, bjarnevs@... [n2adr-sdr] wrote:
> >
> > For your information I love the Quisk program, it fits me very well.
> > The only thing I need on this program is a new FDV mode 700C.
> >
> I agree Bjarne, and I think the integrated support for DV is a real plus
> for Quisk. However I struggled for several hours to install it the
> first time and after reinstalling a newer version of Quisk of course
> it's no longer available, so I need to do that process again (and of
> course I've forgotten what I finally ended up doing the first time!).
>
> If anyone has tips or an improved procedure I'd be appreciative of it,
> since this is a good way to make use of these new digital voice modes.
>
> 73, Bob W9RAN
>
>

--
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2494. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-11-20 03:20:48 UTC
From: Sid Boyce
Topic: 2483 Message: 2494

I am using? 7 inch touch screens on 3 ODROID-C2's, one for Hermes-Lite, one in my standalone HiQSDR and one on the LAN that also works with Hermes-Lite and reserved for the Hermes based rig.

I removed? ~/quisk_conf.py from my systems when the change was made to? ~/quisk_settings.json, without ~/quisk_conf.py I used the quisk CONFIG button to configure everything from scratch which saves it to the json file.
The only references in ~/quisk_settings .json
root@odroidC2:/opt/quisk-4.1.10# grep -i freedv /home/odroid/quisk_settings.json
????? "freedv_tx_msg": "Sid G3VBV - Halesowen, UK",
????? "add_freedv_button": "1"

I select FDV-U mode, right click on the table icon to the right of FDV-U=> brings up a selection list
Upper sideband
Lower sideband
Mode 1600
Mode 700
Mode 700B
Future 3
Future 4
73 ... Sid.

On 19/11/17 20:08, gvjury@... [n2adr-sdr] wrote:
>
> Hello Mario,
>
> I used .quisk_conf.py to save my settings as below. I originally got
> these settings from a post from you and they work just fine thank you.
> Yes the 2400 modes are not working yet and the 800X mode crashes Quisk
> so I don't try to use them for now.
>
> I notice that the power out on FreeDV is down on other digital modes
> and wonder if this is normal or if I have a wrong setting. It is a
> long way down probably around 6 dB or so which I would like to raise
> if possible.
>
> My .quisk_conf.py file contents:
>
> # This is a sample config file for the N2ADR 2010 transceiver hardware
> and for the
> # improved version HiQSDR.? If you use the HiQSDR you should upgrade
> your firmware
> # to version 1.1.

>
> #from hiqsdr import quisk_hardware
>
> # These are the initial values for the Y-scale and Y-zero sliders for
> each screen.
> # The sliders go from zero to 160.
> graph_y_scale = 75??? ??? ??? ??? # Ys Slider
> graph_y_zero? = 81??? ??? ??? ??? # Yz Slider
>
> ## freedv_tx_msg??? ??? ??? FreeDv Tx message, text
> # For freedv, this is the text message to send.
> #freedv_tx_msg = ''
> freedv_tx_msg = 'ZL2APV Graeme, New Plymouth, RF70bw \n'
>
>
> # This is the list of FreeDV modes and their index number.? The
> starting mode is the first listed.
> freedv_modes = (('Mode 1600', 0), ('Mode 700', 1), ('Mode 700B', 2),
> ('2400A', 3), ('2400B', 4), ('800XA', 5), ('700C', 6))
>
>
> 73, Graeme ZL2APV
>
>

--
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2495. Quisk Version 4.1.11 November 2017

Yahoo group: n2adr-sdr
Date: 2017-11-20 17:34:43 UTC
From: jahlstr@...
Topic: 2495 Message: 2495

I added a fix for the Proficio USB frequency control from Stew, N8VET and Tony, VK4KRC. Thanks! I changed the Config/Radio/Bands/IO Bus screen to a bit field instead of an integer for the Hermes Lite. There is a new "Frequency round for SSB" on the radio/options screen. It rounds the left mouse click to 1000 Hertz for voice modes on HF. This is useful when most voice stations are at a multiple of 1000 Hertz. It defaults to zero, so enter 1000 (or other rounding frequency) to turn it on. The graph Ys and Yz settings are now saved for each band.

Jim

N2ADR

2496. Re: [n2adr-sdr] Quisk Version 4.1.11 November 2017

Yahoo group: n2adr-sdr
Date: 2017-11-20 23:22:41 UTC
From: Sid Boyce
Topic: 2495 Message: 2496

Thanks Jim,
I'll give it a try.

I have had a query from Sebi on using his Juma TRX2 with quisk.
http://www.jumaradio.com/juma-trx2/rev-b/JUMA-TRX2_serial_command_and_query_protocol.pdf
73 ... Sid.

On 20/11/17 17:34, jahlstr@... [n2adr-sdr] wrote:
>
> I added a fix for the Proficio USB frequency control from Stew, N8VET
> and Tony, VK4KRC.? Thanks!? I changed the Config/Radio/Bands/IO Bus
> screen to a bit field instead of an integer for the Hermes Lite.?
> There is a new "Frequency round for SSB" on the radio/options screen.?
> It rounds the left mouse click? to 1000 Hertz for voice modes on HF.
> This is useful when most voice stations are at a multiple of 1000
> Hertz.? It defaults to zero, so enter 1000 (or other rounding
> frequency) to turn it on.? The graph Ys and Yz settings are now saved
> for each band.
>
>
> Jim
>
> N2ADR
>
>
>

--
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2497. Wx Phoenix

Yahoo group: n2adr-sdr
Date: 2017-11-27 00:00:40 UTC
From: artus1947@...
Topic: 2497 Message: 2497

In the FWIW column, I upgraded the OS on my bench Windows 10 machine to 64 bits which required a re installation of Python. I installed the latest Python 2.7 and used PIP to install wxPython. PIP installed the 4.0 Phoenix version. I could not get Quisk to work with it. I complained about the wxversion module which is no longer supported in Phoenix. Also it complained about the combo module. Removing Phoenix and installing a legacy 3.0 version fixed the problem.

73,
Jack (W0FNQ)

2498. Quisk Version 4.1.12 December 2017

Yahoo group: n2adr-sdr
Date: 2017-12-04 21:55:24 UTC
From: jahlstr@...
Topic: 2498 Message: 2498

Sid, G3VBV, updated the documentation file. Thanks Sid! I fixed a network problem with the HiQSDR on Windows 10.

There is now an easy way to connect Quisk to an external digital program such as Fldigi or wsjtx by using Linux PulseAudio. Just set the names pulse:QuiskDigitalInput and pulse:QuiskDigitalOutput on your radio Sound configuration screen. Quisk will create the necessary loopback devices. Then set your digital program output/input to Quisk input/output. Press the Help button for documentation, and see the docs.html file for details.

Jim

N2ADR

2499. Re: [n2adr-sdr] Quisk Version 4.1.12 December 2017

Yahoo group: n2adr-sdr
Date: 2017-12-04 22:41:47 UTC
From: Sid Boyce
Topic: 2498 Message: 2499

Thanks Jim,
There are some more documentation changes to be made, mainly updating the pre-req packages as the names have changed with Ubuntu versions. These will apply to Ubuntu 16.04.x LTS.

I shall have a look again tomorrow.

BTW -- How is your ODY-2 performing.
I have ordered one.

The BGA616 on my HiQSDR blew and destroyed the tracks to it. The first one died and this was the replacement which worked for quite a while. I built one on a small piece of circuit board with short leads to the main board but without success so I have to get in there with a scope to see what's what.

I see David has used a different op-amp in the ODY-2 due to BGA616 failures on the ODY-1.
73 ... Sid.

On 04/12/17 21:55, jahlstr@... [n2adr-sdr] wrote:
>
> Sid, G3VBV, updated the documentation file. Thanks Sid! I fixed a
> network problem with the HiQSDR on Windows 10.
>
>
> There is now an easy way to connect Quisk to an external digital
> program such as Fldigi or wsjtx by using Linux PulseAudio.? Just set
> the names pulse:QuiskDigitalInput and pulse:QuiskDigitalOutput on your
> radio Sound configuration screen. Quisk will create the necessary
> loopback devices.? Then set your digital program output/input to Quisk
> input/output.? Press the Help button for documentation, and see the
> docs.html file for details.
>
>
> Jim
>
> N2ADR
>
>
>

--
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2500. quisk_4.1.12-1_source.changes ACCEPTED into unstable

Yahoo group: n2adr-sdr
Date: 2017-12-05 04:43:44 UTC
From: Maitland Bottoms
Topic: 2498 Message: 2500

Hi,

It has been a couple of years since I've used quisk. Looks
even nicer now!

I went ahead and uploaded Quisk 4.1.12 into Debian.

Folks tracking Debian's unstable branch can install it soon.
Folks tracking the testing branch should be able to
install it this weekend. Bug reports welcome.
(That would be `apt install quisk`, not pypi.)

73 de aa4hs,
-Maitland

2501. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-26 17:47:12 UTC
From: bjarnevs@...
Topic: 2483 Message: 2501

Can you please tell me where I can download the new library libcodec2.so?

Bjarne,
OZ1UM

2502. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-26 20:15:51 UTC
From: bjarnevs@...
Topic: 2483 Message: 2502

I have now found the https://freedv.org/ https://freedv.org/ website, where I found the codec2 download link under "Source Code".

Sorry for the inconvenience.

OZ1UM
Bjarne

2503. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-27 15:15:29 UTC
From: bjarnevs@...
Topic: 2483 Message: 2503

I found out that the file provided on https://freedv.org/ https://freedv.org/ is not the correct file for Quisk on Windows. SInce I am a complete novice when it comes to computers I don't know how to find the correct libcodec2.dll file.

Does anyone know where I can find the correct file?

OZ1UM
Bjarne

2504. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-27 17:44:12 UTC
From: gvjury@...
Topic: 2483 Message: 2504

Hello Bjarne,

It has been a while since I did it so am not 100% sure but I downloaded from the svn and compiled Codec 2 by following the instructions in the INSTALL file and allowed it to install in /usr/local then created a symlink to /usr/bin. This file worked just fine when copied to the Quisk freedvpkg directory. I used the codec2-dev source a i wanted the new modes that David Rowe has developed. I work into VK on 20 metres from time to time and really enjoy the mode.

73, Graeme zl2apv

2505. Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-27 21:04:06 UTC
From: bjarnevs@...
Topic: 2483 Message: 2505

I have a Windows computer and I have installed both MinGW, MSYS, and G++. I have tried to follow the build instructions and when I had to type the command "cd codec2-dev" it says the directory is not found.

Can you tell me what I am doing wrong?

OZ1UM
Bjarne

2506. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-30 15:50:54 UTC
From: Sid Boyce
Topic: 2483 Message: 2506

If you have the subversion package installed you need to "svn checkout"
codec2-dev.? Pre-req packages:- libspeex-dev, libspeex1,
libspeexdsp-dev, libspeexdsp1.
svn checkout https://svn.code.sf.net/p/freetel/code/codec2-dev
A??? codec2-dev/octave
A??? codec2-dev/octave/twod_fbf.m
A??? codec2-dev/octave/vq_construct_indep_mg.m
A??? codec2-dev/octave/kmeans2.m
A??? codec2-dev/octave/sample_clock_offset.m
A??? codec2-dev/octave/newamp1_fbf.m
A??? codec2-dev/octave/vq_construct_mg.m
A??? codec2-dev/octave/plot_specgram.m
etc., etc.
A??? codec2-dev/wav/forig.wav
A??? codec2-dev/wav/hts2a.wav
?U?? codec2-dev
Checked out revision 3386.
root@odroid64:#?? cd codec2-dev/
root@odroid64:codec2-dev#
73 ... Sid.

On 27/12/17 21:04, bjarnevs@... [n2adr-sdr] wrote:
>
> I have a Windows computer and I have installed both MinGW, MSYS, and
> G++. I have tried to follow the build instructions and when I had to
> type the command "cd codec2-dev" it says the directory is not found.
>
>
> Can you tell me what I am doing wrong?
>
> OZ1UM
> Bjarne
>

2507. quisk configuration screens - 1

Yahoo group: n2adr-sdr
Date: 2017-12-30 20:33:06 UTC
From: Sid Boyce
Topic: 2498 Message: 2507
Attachments: 1 described; binary payloads are missing from this source WARC

I thought about including these in the Documentation but decided against it for now.

If you start without the ~/.quisk_conf.py you can use the config button to configure your radios, the results automatically get stored in ~/quisk_settings.json

I did have to edit the file manually to get proper height and width display for Small screen displays.

73 ... Sid.

--
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2508. quisk configuration screens - 2

Yahoo group: n2adr-sdr
Date: 2017-12-30 20:34:13 UTC
From: Sid Boyce
Topic: 2498 Message: 2508
Attachments: 1 described; binary payloads are missing from this source WARC

73 ... Sid.

--
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2509. quisk configuration screens - 3

Yahoo group: n2adr-sdr
Date: 2017-12-30 20:34:57 UTC
From: Sid Boyce
Topic: 2498 Message: 2509
Attachments: 1 described; binary payloads are missing from this source WARC

73 ... Sid.

--
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2510. quisk configuration screens - 4

Yahoo group: n2adr-sdr
Date: 2017-12-30 20:35:30 UTC
From: Sid Boyce
Topic: 2498 Message: 2510
Attachments: 1 described; binary payloads are missing from this source WARC

73 ... Sid.

--
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2511. Re: [n2adr-sdr] Re: Quisk not working with Hermes

Yahoo group: n2adr-sdr
Date: 2017-12-31 16:17:21 UTC
From: bjarnevs@...
Topic: 2483 Message: 2511

I am still insecure as to what to do.

I am a complete novice so I would love to know if there is a very detailed guide on how to make the codec2 on Windows 10.

If there isn't such a guide anywhere, would you kindly elaborate your own guide in more details? There might be others in this forum that would need help with this too.

Happy new year to everyone in the group!
And special thanks to you Sid for helping me out!

73...
OZ1UM
Bjarne

2512. Spectrum zoom (Zo) default

Yahoo group: n2adr-sdr
Date: 2018-01-03 20:46:00 UTC
From: murphyst@...
Topic: 2512 Message: 2512
Attachments: 1 described; binary payloads are missing from this source WARC

Is there a way that I can change the default value of the Zo control?

Long story short: When I launch Quisk, I always bump the slider up a tick or two. I know, the effort to do that is trivial, but it'd still be nice if I could skip that step...

A big thank you to Jim and all those who contribute to making Quisk available to the amateur community! I'm constantly blown away by how well it works, and it keeps getting better as I learn how to tweak the configuration files. Wow!

I've attached a pic of the SDR-based rig I'm currently building, which runs Quisk on an embedded Raspberry PI/touch screen. The hardware uses one of the old Softrock RXTX 6.2 boards as the IF, ahead of which is a diode-ring mixer and banks of band-pass and low-pass filters to cover all the HF ham bands. The LO is an Si5351 controlled by an Arduino Pro-Mini, which emulates a Yaesu FT817, allowing it to communicate with Quisk using hamlib. It's been a fun project!

73 - Steve N8NM

2513. Quisk failure with H-L

Yahoo group: n2adr-sdr
Date: 2018-02-10 05:25:24 UTC
From: Robert Nickels
Topic: 2513 Message: 2513

For reasons I haven't been able to figure out, Quisk has stopped working with my Hermes-Lite (ver.1). I know the H-L is OK because I can control it with Power SDR and Spark SDR, and I know that Quisk is basically OK because I can use it to control a different SDR. The same problem occurs locally (on a Raspberry Pi 3) or when I connect via X/ssh. I haven't done any recent updates to anything.

When I run quisk -a, the top error screen shown here is displayed (which I haven't seen before): https://i.imgur.com/TARKHq3.png

When I click OK on it I get the hardware failure message and then it closes with the following error and traceback in the console:

```
pi@raspberrypi:~/Downloads/quisk $ quisk -a
03:59:54: Debug: Failed to connect to session manager: SESSION_MANAGER
environment variable not defined
Traceback (most recent call last):
  File "/usr/local/bin/quisk", line 8, in <module>
    quisk.main()
  File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
5221, in main
  File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
3037, in __init__
  File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
8628, in __init__
    self._BootstrapApp()
  File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line
8196, in _BootstrapApp
    return _core_.PyApp__BootstrapApp(*args, **kwargs)
  File "/usr/local/lib/python2.7/dist-packages/quisk/quisk.py", line
3456, in OnInit
AttributeError: Hardware instance has no attribute 'hermes_ip'
```

The last line - "hermes_ip" - when running Quisk with the other SDR I've confirmed that My H-L config is set for the same IP that works with Power SDR and Spark, and I can ping the H-L from the Pi so I know they're able to communicate. As mentioned, the behavior and error messages are identical on the Pi locally or when connecting to it remotely. From my reading, SESSION_MANAGER environment variable can mean a lot of different things and I haven't been able to understand what it means in this case.

Any suggestions or pointers would be appreciated!

Thanks and 73,
Bob W9RAN

2514. Quisk Version 4.1.14 March 2018

Yahoo group: n2adr-sdr
Date: 2018-03-12 21:08:12 UTC
From: jahlstr@...
Topic: 2514 Message: 2514

The use of the Spot button for testing has been removed, and proper operation restored. There are further improvements to the Hermes-Lite power and current calculations, including a correction to the PA current measurement from Steve. Thanks Steve!

There is a new "Keys" tab in the configuration screens where you can set one or two hot keys to press the PTT button. Space bar seems a popular choice. I added a toggle option so that PTT stays on until the next key press.

I made further improvements to wxPython 4.x Phoenix support, but feel free to continue to use the 3.x version.

Jim

N2ADR

2515. Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-19 11:37:18 UTC
From: donald.vosper@...
Topic: 2515 Message: 2515

Hi,

Just joined the group and hoping to get some info on how to get the above confguration working.
Followed instructions posted by n6qw but although I can boot up Quisk i can't see any noise on the graph.
Config says that it cannot open capture device, hw:0 9 (no such file or directory)

regards
Don m5aky

2516. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-19 17:31:25 UTC
From: Eric Thornton
Topic: 2515 Message: 2516

I'd recommend pulseaudio. It makes switching between devices easy. Sudo apt install pulseaudio should do it. Also install pavucontrol if you're running the gui. Then they should all appear as options in the radio config.

Just make sure the sound card is detected first. It should be listed with aplay -l. If not, that needs to be solved.

Eric
WW4ET

On Mon, Mar 19, 2018, 7:37 AM donald.vosper@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi,
>
> Just joined the group and hoping to get some info on how to get the above
> confguration working.
>
> Followed instructions posted by n6qw but although I can boot up Quisk i
> can't see any noise on the graph.
>
> Config says that it cannot open capture device, hw:0 9 (no such file or
> directory)
>
> regards
>
> Don m5aky
>
>
>

2517. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-20 12:26:30 UTC
From: Don Vosper
Topic: 2515 Message: 2517

Hi

This is what I get listed with aplay -l

```
**** List of PLAYBACK Hardware Devices ****
card 0: ALSA [bcm2835 ALSA], device 0: bcm2835 ALSA [bcm2835 ALSA]
  Subdevices: 8/8
  Subdevice #0: subdevice #0
  Subdevice #1: subdevice #1
  Subdevice #2: subdevice #2
  Subdevice #3: subdevice #3
  Subdevice #4: subdevice #4
  Subdevice #5: subdevice #5
  Subdevice #6: subdevice #6
  Subdevice #7: subdevice #7
card 0: ALSA [bcm2835 ALSA], device 1: bcm2835 ALSA [bcm2835 IEC958/HDMI]
  Subdevices: 1/1
  Subdevice #0: subdevice #0
card 1: Device [USB Sound Device], device 0: USB Audio [USB Audio]
  Subdevices: 1/1
  Subdevice #0: subdevice #0
```

Don m5aky

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2518. Quisk Version 4.1.15 March 2018

Yahoo group: n2adr-sdr
Date: 2018-03-21 15:20:49 UTC
From: jahlstr@...
Topic: 2518 Message: 2518

I changed the logic for the PTT keyboard shortcut. If you are using a PTT shortcut key, go to the Config/Radio/Keys screen and check the keys you are using. I made further changes to support Hermes-Lite. And the "darwin" platform was added to defaults. I fixed the Status screen flickering that occurred on Windows.

Jim

N2ADR

2520. WSJT-X Rig Control to HiQSDR/QUISK

Yahoo group: n2adr-sdr
Date: 2018-03-22 13:06:09 UTC
From: alex-ritter@...
Topic: 2520 Message: 2520

Hello,

in the latest Version of WSJT-X "Hamlib NET rigctl" should be possible. But i do not get a connect between WSJT-X and Quisk. Can anyone Help ?

Vy 73 de Alex, DL1KDA

2521. Re: WSJT-X Rig Control to HiQSDR/QUISK

Yahoo group: n2adr-sdr
Date: 2018-03-22 13:05:19 UTC
From: alex-ritter@...
Topic: 2520 Message: 2521

Sorry, but i forgot: 73 de Alex, DL1KDA

2522. RIG Control with CAT instead of Hamlib

Yahoo group: n2adr-sdr
Date: 2018-03-22 13:10:58 UTC
From: alex-ritter@...
Topic: 2522 Message: 2522

I use a Logbook (VQ-LOG) which only supports old fashion CAT connections to the TRX.
I did ask the author to support Hamlib, but i think he does not find an easy way to include this feature.

I am wondering if there may exists some middleware software ?!

Maybe you can start a tool which translates the Hamlib Data to a standard Kenwood CAT Protocol (or something similar) and send this data to a virtual Com port ?! I am no programmer so i am not sure if this would be even possible. Maybe there are more simple ways to solve this problem.

I am looking forward for your answers.

Vy 73 de Alex, DL1KDA

2523. Re: WSJT-X Rig Control to HiQSDR/QUISK

Yahoo group: n2adr-sdr
Date: 2018-03-22 13:55:35 UTC
From: jahlstr@...
Topic: 2520 Message: 2523

Please press the Help button and look for "Hamlib Control". Here is the text:

Most digital decoders and logging programs use Hamlib to control a rig so that frequency changes in one program are recognized in the other. To connect an external program to Quisk using Hamlib, configure your program to use "Hamlib NET rigctl" (rig 2). Then go to the Quisk "Remote" config screen for your radio and set "IP port for Hamlib" to 4532. This assumes you are not using the rigctld daemon program. If you are, set the Quisk port to 4575 and tell rigctld to control quisk on port 4575. You can also control Quisk from another program by using the XML-RPC method if this is available in your program. Fldigi can use this method.

Jim
N2ADR

2524. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 08:37:11 UTC
From: Don Vosper
Topic: 2515 Message: 2524

Hi.
When I boot up Quisk from terminal I get error message starting with
"Failed to connect with Session Manager" The Quisk interface opens and I
can change things in the cofiguration etc but the graph does not move.
I have tried various cofigurations for the sound but still the same errors.
Don m5aky

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2525. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 11:36:21 UTC
From: Michael Durkin
Topic: 2515 Message: 2525

Changes dont take effect untill quisk is restarted

On Fri, Mar 23, 2018, 1:38 AM Don Vosper donald.vosper@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi.
> When I boot up Quisk from terminal I get error message starting with
> "Failed to connect with Session Manager" The Quisk interface opens and I
> can change things in the cofiguration etc but the graph does not move..
> I have tried various cofigurations for the sound but still the same errors.
> Don m5aky
>
> ---
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>
>
>

2526. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 12:13:23 UTC
From: Don Vosper
Topic: 2515 Message: 2526

Hi Michael and group.

Thanks for the reply. I have learnt by trial and error that Quisk has to be restarted in order for changes to be made.

The problem is that I am not clear as to what to enter for Radio audio output, microphone input, i/q sanple input and i/q TX output and what to change in the .quisk_conf.py file in order to configure the Softrock. I am using the RxTxEnsemble file which as far as I know works in the same way as the softrock 6.1.

I have had a few helpful suggestions but so far none have worked for me. I don't seem to be picking up anything from the Startech soundcard.

Regards

Don

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2527. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 13:04:38 UTC
From: Michael Durkin
Topic: 2515 Message: 2527

Dont mix setup processes ...

Quisk.py as i understand it should not be modified. quisk_conf.py is the "old" way to set up your radio.... also can now be specified as the file used at startup .. i use the "radio" tab that i created after copying the ensemble radio type while using the Quisk GUI (program)

On Fri, Mar 23, 2018, 5:13 AM Don Vosper donald.vosper@...m [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> Hi Michael and group.
>
> Thanks for the reply. I have learnt by trial and error that Quisk has to
> be restarted in order for changes to be made.
>
> The problem is that I am not clear as to what to enter for Radio audio
> output, microphone input, i/q sanple input and i/q TX output and what to
> change in the .quisk_conf.py file in order to configure the Softrock. I
> am using the RxTxEnsemble file which as far as I know works in the same
> way as the softrock 6.1.
>
> I have had a few helpful suggestions but so far none have worked for me.
> I don't seem to be picking up anything from the Startech soundcard.
>
> Regards
>
> Don
>
> ---
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>
>
>

2528. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 13:32:08 UTC
From: Don Vosper
Topic: 2515 Message: 2528

I only have info for the one set up procedure.

I have not attempted to modify the quisk.py file or any of the other files in Quisk.

I understand I have to create the file ".quisk_conf.py" in home/pi and copy the contents of the relevant file, in this case RxTxEnsemble into .quisk_conf.py then change it there as required.
I would be interested to learn of any other way of setting up.
Regards
Don

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2529. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 14:32:55 UTC
From: Michael Durkin
Topic: 2515 Message: 2529

You are using a recent version of quisk 4.1.x i assume ....

On Fri, Mar 23, 2018, 6:38 AM Don Vosper donald.vosper@...
[n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> I only have info for the one set up procedure.
>
> I have not attempted to modify the quisk.py file or any of the other
> files in Quisk.
>
> I understand I have to create the file ".quisk_conf.py" in home/pi and
> copy the contents of the relevant file, in this case RxTxEnsemble into
> ..quisk_conf.py then change it there as required.
> I would be interested to learn of any other way of setting up.
> Regards
> Don
>
> ---
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>
>
>

2530. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 15:21:55 UTC
From: Don Vosper
Topic: 2515 Message: 2530

4.1.14

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2531. Re: [n2adr-sdr] Quisk with Softrock 6.1 on Raspberry Pi 3 with Startech usb soundcard.

Yahoo group: n2adr-sdr
Date: 2018-03-23 18:48:13 UTC
From: Michael Durkin
Topic: 2515 Message: 2531

This should help some till i get home and take another screen shot of the initial radio creation thats on the radio tab

http://quisk.973856.n3.nabble.com/Quisk-CW-on-Softrock-Ensemble-RXTX-with-a-single-Delta-44-sound-card-td4024065.html

On Fri, Mar 23, 2018, 8:23 AM Don Vosper donald.vosper@btinternet.com [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> 4.1.14
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>
>

2532. Quisk 4.1.15 with Linux Mint: no capture device found

Yahoo group: n2adr-sdr
Date: 2018-04-01 15:19:59 UTC
From: heikki.ahola@...
Topic: 2532 Message: 2532

Hello group !

Made a trial with my ACER Aspire laptop and Linux Mint 17.2. When running Quisk 4.1.15 in the terminal received the following:

```
heikki@heikki-Aspire-8935G ~/sdr1_quisk/quisk-4.1.15 $ python quisk.py
ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM cards.pcm.side
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
bt_audio_service_open: connect() failed: Connection refused (111)
Cannot connect to server socket err = No such file or directory
Cannot connect to server request channel
jack server is not running or cannot be started
Segmentation fault
```

The QUISK starts but cannot find any capture device (Hermes Lite V1 or V2). Furthermore, the application terminates when trying to open Radio definitions Bands or Fonts. Obviously, something is missing or ill-defined.
Otherwise, the Linux seems to be OK with standard applications.

73 de Heikki (OH2LZI)

2533. Re: [n2adr-sdr] Quisk 4.1.15 with Linux Mint: no capture device found

Yahoo group: n2adr-sdr
Date: 2018-04-01 18:30:20 UTC
From: Sid Boyce
Topic: 2532 Message: 2533

Hi HeiKKi,
Apart from the segmentation fault, the messages are all noise and not a problem or contributing to the segmentation fault.
The "pulseaudio-module-bluetooth" package when installed causes the bt_audio noise, likewise the ALSA lib pcm is irrelevant.

Is this an upgrade from an earlier? version that ran?

Does "ldd _quisk.so" show any missing libraries?

The ~/quisk_settings.json file header part of my setup done via the Config button, asks me which Radio to start, choices between HL2_Beta5, ODYSSEY-2 and (HL229) Hermes-Lite V1.

```
------------------------------------------------------------
[
? "Ask me",
? "HL2_Beta5",
? [
??? "ODY-2",
??? "HL229",
??? "HL2_Beta5"
? ],
------------------------------------------------------------
```

73 ... Sid.

On 01/04/18 16:19, heikki.ahola@... [n2adr-sdr] wrote:

```
>
> Hello group !
>
>
> Made a trial with my ACER Aspire laptop and Linux Mint 17.2. When
> running Quisk 4.1.15 in the terminal received the following:
>
> heikki@heikki-Aspire-8935G ~/sdr1_quisk/quisk-4.1.15 $ python quisk.py
> ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM cards.pcm.rear
> ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM
> cards.pcm.center_lfe
> ALSA lib pcm.c:2239:(snd_pcm_open_ noupdate) Unknown PCM cards.pcm.side
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> bt_audio_service_open: connect() failed: Connection refused (111)
> Cannot connect to server socket err = No such file or directory
> Cannot connect to server request channel
> jack server is not running or cannot be started
> Segmentation fault
```

>
> The QUISK starts but cannot find any capture device (Hermes Lite V1 or
> V2). Furthermore, the application terminates when trying to open Radio
> definitions Bands or Fonts. Obviously, something is missing or
> ill-defined.
> Otherwise, the Linux seems to be OK with standard applications.
>
> 73 de Heikki (OH2LZI)
>
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2534. wsjtx

Yahoo group: n2adr-sdr
Date: 2018-04-01 22:14:45 UTC
From: Michael Durkin
Topic: 2534 Message: 2534

does any one have softrock(ensemble) working with the latest wsjtx ?

I dont see xml-rpc in the wsjtx rig list

2535. Re: [n2adr-sdr] wsjtx

Yahoo group: n2adr-sdr
Date: 2018-04-01 23:30:49 UTC
From: Eric Thornton
Topic: 2534 Message: 2535

I don't currently have them running, but my old config file had the following port specified. From memory, wsjtx used a different port and quisk had to be told to use it. See if there is a place in your radio config for this.

hamlib_port = 4532

Eric
ww4et

On Sun, Apr 1, 2018 at 6:14 PM, Michael Durkin kc7noa@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

>
>
> does any one have softrock(ensemble) working with the latest wsjtx ?
>
> I dont see xml-rpc in the wsjtx rig list
>
>
>

2536. Traceback in Quisk 4.1.15 using Bands IObus

Yahoo group: n2adr-sdr
Date: 2018-05-11 09:34:06 UTC
From: janoleholm23@...
Topic: 2536 Message: 2536

Hi group
I get this traceback from Quisk when I access my Red Pitaya in: Config -> Bands

Traceback (most recent call last):
File "./configure.py", line 222, in OnPageChanging
page = self.notebk.GetPage(index)
File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk2/wx/_core.py", line 13536, in GetPage
return _core_.BookCtrlBase_GetPage(*args, **kwargs)
wx._core.PyAssertionError: C++ assertion "uiIndex < m_nCount" failed at
../include/wx/dynarray.h(838) in Item():

I am running Linux Mint 18.3:
$ inxi -S
System: Host: HPmediaPC Kernel: 4.13.0-37-generic x86_64 (64 bit)
Desktop: Cinnamon 3.6.7 Distro: Linux Mint 18.3 Sylvia
$ python --version
Python 2.7.12
And python-wxgtk3.0.2

I need the IO Bus bits to set some band-selects on IO-pins on Red Pitaya, but I can't see any bits in right part of windows beside the band configurations :-)

Anybody see this traceback error using Quisk?

OZ1OY, Jan

2537. Re: Traceback in Quisk 4.1.15 using Bands IObus

Yahoo group: n2adr-sdr
Date: 2018-05-11 20:04:54 UTC
From: jahlstr@...
Topic: 2536 Message: 2537

Hello,

Thanks. I will fix both of these problems in the next release due out in a few days.

Jim
N2ADR

2538. Quisk Version 4.1.16 May 2018

Yahoo group: n2adr-sdr
Date: 2018-05-22 18:59:57 UTC
From: jahlstr@...
Topic: 2538 Message: 2538

I updated the built in version of FreeDV digital voice. It now includes newer modes such as 700D. I added the column for the IO bus to the Red Pitaya radio. I fixed a bug when selecting the "Bands" screen. I added shortcut keys to the buttons. If a button has an underlined letter, pressing ALT and the letter will press the button. This is convenient for operation, and allows Quisk to be controlled by another program that can generate key presses. If you have set a PTT shortcut key, please check its validity on the radio Keys screen. The shortcut characters for the band buttons can be changed in the config file.

Jim

N2ADR

2539. Re: [n2adr-sdr] Quisk Version 4.1.16 May 2018

Yahoo group: n2adr-sdr
Date: 2018-05-22 19:31:04 UTC
From: Michael Durkin
Topic: 2538 Message: 2539

If i sent you my LimeSDR .... could you try to get it working with Quisk

Quisk is still my fav linux sdr software ....

On Tue, May 22, 2018, 12:28 PM jahlstr@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> I updated the built in version of FreeDV digital voice. It now includes
> newer modes such as 700D. I added the column for the IO bus to the Red
> Pitaya radio. I fixed a bug when selecting the "Bands" screen. I added
> shortcut keys to the buttons. If a button has an underlined letter,
> pressing ALT and the letter will press the button. This is convenient for
> operation, and allows Quisk to be controlled by another program that can
> generate key presses. If you have set a PTT shortcut key, please check its
> validity on the radio Keys screen. The shortcut characters for the band
> buttons can be changed in the config file.
>
>
> Jim
>
> N2ADR
>
>
>
>

2540. Re: [n2adr-sdr] Quisk Version 4.1.16 May 2018

Yahoo group: n2adr-sdr
Date: 2018-05-23 14:33:37 UTC
From: jahlstr@...
Topic: 2538 Message: 2540

Sorry, I am too busy with hermeslite.com. I am doing hardware and software for that. Maybe you can find someone else to help.

Jim
N2ADR

2541. Re: Quisk Version 4.1.16 May 2018

Yahoo group: n2adr-sdr
Date: 2018-05-24 06:56:56 UTC
From: janoleholm23@...
Topic: 2538 Message: 2541

Thanks Jim The new 4.1.16-release works fine with Red Pitaya in the IObus settings :-)

73 de OZ1OY, Jan

2542. Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-01 05:10:49 UTC
From: Rob Frohne
Topic: 2542 Message: 2542

Hi James, et. al.,

I was playing with quisk tonight, and if I open the window up to be full screen, it displays in the spectrum analyzer like view only between -120 and 0 dbm. My noise floor is a bit lower than -120 dbm, and so I'd like to display from -140 dbm and up. If I make the window a bit narrower, then I can see more than just the peaks of the louder signals all the way across the spectrum, but not if I go full screen. Is there an easy way to fix this in the configuration or something?

Thanks & 73,

Rob

KL7NA

2543. Re: Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-01 08:06:59 UTC
From: gvjury@...
Topic: 2542 Message: 2543

It works OK for me on full screen in Graph mode but if I switch to WFall, it won't allow me to go below -120 dB in either full screen or sized window screen modes.

73, Graeme ZL2APV

2544. Re: [n2adr-sdr] Re: Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-01 14:44:53 UTC
From: Rob Frohne
Topic: 2542 Message: 2544

Same here!

Rob

On 06/01/2018 01:06 AM, gvjury@... [n2adr-sdr] wrote:
> It works OK for me on full screen in Graph mode but if I switch to
> WFall, it won't allow me to go below -120 dB in either full screen or
> sized window screen modes.
>
> 73, Graeme ZL2APV
>

--
Rob Frohne, Ph.D. P.E.
E. F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99362
(509) 527-2075

2545. Re: [n2adr-sdr] Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-01 15:31:36 UTC
From: nick
Topic: 2542 Message: 2545

On 01/06/18 06:10, Rob Frohne rob.frohne@... [n2adr-sdr] wrote:
> Hi James, et. al.,
>
> I was playing with quisk tonight, and if I open the window up to be full
> screen, it displays in the spectrum analyzer like view only between -120
> and 0 dbm. My noise floor is a bit lower than -120 dbm, and so I'd like
> to display from -140 dbm and up. If I make the window a bit narrower,
> then I can see more than just the peaks of the louder signals all the
> way across the spectrum, but not if I go full screen. Is there an easy
> way to fix this in the configuration or something?
>
> Thanks & 73,
>
> Rob
>
> KL7NA
>
>
Have you tried the Ys slider at bottom right?

Nick
G3VNC

2546. Re: [n2adr-sdr] Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-01 17:16:23 UTC
From: Rob Frohne
Topic: 2542 Message: 2546

Yes.

73,

Rob

On 06/01/2018 08:31 AM, nick g3vnc@... [n2adr-sdr] wrote:
>
> On 01/06/18 06:10, Rob Frohne rob.frohne@... [n2adr-sdr] wrote:
> > Hi James, et. al.,
> >
> > I was playing with quisk tonight, and if I open the window up to be full
> > screen, it displays in the spectrum analyzer like view only between -120
> > and 0 dbm. My noise floor is a bit lower than -120 dbm, and so I'd like
> > to display from -140 dbm and up. If I make the window a bit narrower,
> > then I can see more than just the peaks of the louder signals all the
> > way across the spectrum, but not if I go full screen. Is there an easy
> > way to fix this in the configuration or something?
> >
> > Thanks & 73,
> >
> > Rob
> >
> > KL7NA
> >
> >
> Have you tried the Ys slider at bottom right?
>
> Nick
> G3VNC
>
>

--
Rob Frohne, Ph.D. P.E.
E. F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99362
(509) 527-2075

2547. Re: [n2adr-sdr] Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-02 11:47:47 UTC
From: nick
Topic: 2542 Message: 2547

There doesn't appear to be a setting in quisk_conf_defaults.py to do this.

CHANGELOG.txt says...

"Quisk Version 4.1.11 November 2017

The graph Ys and Yz settings are now saved for each band."

This does not work for me on version 4.1.11. Will try a newer version
later.

73

Nick

On 01/06/18 18:16, Rob Frohne rob.frohne@... [n2adr-sdr] wrote:
> Yes.
>
> 73,
>
> Rob
>
>
> On 06/01/2018 08:31 AM, nick g3vnc@... [n2adr-sdr] wrote:
>>
>> On 01/06/18 06:10, Rob Frohne rob.frohne@... [n2adr-sdr]
>> wrote:
>> > Hi James, et. al.,
>> >
>> > I was playing with quisk tonight, and if I open the window up to be
>> full
>> > screen, it displays in the spectrum analyzer like view only between
>> -120
>> > and 0 dbm. My noise floor is a bit lower than -120 dbm, and so I'd
>> like
>> > to display from -140 dbm and up. If I make the window a bit narrower,
>> > then I can see more than just the peaks of the louder signals all the
>> > way across the spectrum, but not if I go full screen. Is there an easy
>> > way to fix this in the configuration or something?
>> >
>> > Thanks & 73,
>> >
>> > Rob
>> >
>> > KL7NA
>> >
>> >

>> Have you tried the Ys slider at bottom right?
>>
>> Nick
>> G3VNC
>>
>>
>

2548. Re: [n2adr-sdr] Quisk Waterfall display question....

Yahoo group: n2adr-sdr
Date: 2018-06-02 15:52:43 UTC
From: Rob Frohne
Topic: 2542 Message: 2548

Hi Nick, et. al.,

Maybe we should add autoscaling, meaning we make sure both the largest
and smallest values are displayed, and then round to the nearest 10 dbm
that works.

73,

Rob

KL7NA

On 06/02/2018 04:47 AM, nick g3vnc@... [n2adr-sdr] wrote:
>
> There doesn't appear to be a setting in quisk_conf_defaults.py to do this.
>
> CHANGELOG.txt says...
>
> "Quisk Version 4.1.11 November 2017
>
> The graph Ys and Yz settings are now saved for each band."
>
> This does not work for me on version 4.1.11. Will try a newer version
> later.
>
> 73
>
> Nick
>
> On 01/06/18 18:16, Rob Frohne rob.frohne@... [n2adr-sdr] wrote:
> > Yes.
> >
> > 73,
> >
> > Rob
> >
> >
> > On 06/01/2018 08:31 AM, nick g3vnc@... [n2adr-sdr] wrote:
> >>
> >> On 01/06/18 06:10, Rob Frohne rob.frohne@... [n2adr-sdr]
> >> wrote:
> >> > Hi James, et. al.,
> >> >
> >> > I was playing with quisk tonight, and if I open the window up to be
> >> full
> >> > screen, it displays in the spectrum analyzer like view only between

> >> -120
> >> > and 0 dbm. My noise floor is a bit lower than -120 dbm, and so I'd
> >> like
> >> > to display from -140 dbm and up. If I make the window a bit narrower,
> >> > then I can see more than just the peaks of the louder signals all the
> >> > way across the spectrum, but not if I go full screen. Is there
> an easy
> >> > way to fix this in the configuration or something?
> >> >
> >> > Thanks & 73,
> >> >
> >> > Rob
> >> >
> >> > KL7NA
> >> >
> >> >
> >> Have you tried the Ys slider at bottom right?
> >>
> >> Nick
> >> G3VNC
> >>
> >>
> >
>
>

--
Rob Frohne, Ph.D. P.E.
E. F. Cross School of Engineering
Walla Walla University
100 SW 4th Street
College Place, WA 99362
(509) 527-2075

2549. Quisk Version 4.1.18 June 2018

Yahoo group: n2adr-sdr
Date: 2018-06-14 13:54:51 UTC
From: jahlstr@...
Topic: 2549 Message: 2549

I added improved code for FreeDV to support the new 700D mode.

Jim
N2ADR

2550. Re: Quisk Version 4.1.18 June 2018

Yahoo group: n2adr-sdr
Date: 2018-06-15 11:30:11 UTC
From: dh5ym@...
Topic: 2549 Message: 2550

Great! Thanks a lot!
I followed the development and 700D seems to be a real great mode for weak signal voice communication.
The only point that appeared very difficult to me was to set the proper microphone volume in order to reach a good quality at the receiver end.
Have a nice weekend!

2551. On Win7 64bit quisk fails to start for HL2

Yahoo group: n2adr-sdr
Date: 2018-06-25 10:58:46 UTC
From: desai_amogh@...
Topic: 2551 Message: 2551
Attachments: 2 described; binary payloads are missing from this source WARC

I have issues running quisk with HL2 for a long time. My HL2 worked fine with sparksdr/openhpsdr but quisk never discovered it.

I have now freshly installed win7 64 bit, latest python 2.7, wxpyton and latest quisk today. if I open quisk without any configuration, it starts without any issue. Once I add HL2 config as per this guide by Steve https://www.youtube.com/watch?v=1pPbQplSBoo&feature=youtu.be it doesn't restart.

I also tried the following C:\Python27\pythonw.exe -vvv WinQuisk.pyw with verbose output and it pops up the below wxpython screen and vanishes in few seconds without letting me see the final error output.

http://quisk.973856.n3.nabble.com/file/n4024380/Capture.png
http://quisk.973856.n3.nabble.com/file/n4024380/Capture.png

http://quisk.973856.n3.nabble.com/file/n4024380/Capture.png

http://quisk.973856.n3.nabble.com/file/n4024380/Capture....
http://quisk.973856.n3.nabble.com/file/n4024380/Capture.png

View on quisk.973856.n3.nabbl...
http://quisk.973856.n3.nabble.com/file/n4024380/Capture.png
Preview by Yahoo

Also, there are 2 files under this directory: C:\Users\amogh\Documents
.quisk_init.pkl http://quisk.973856.n3.nabble.com/file/n4024380/.pkl
quisk_settings.json http://quisk.973856.n3.nabble.com/file/n4024380/quisk_settings.json

I have attached them.

If I delete these files, quisk starts back as the HL2 config gets deleted.

Is this a usual issue on Win7? how to redirect output of wxpython to a text file?? how to fix this issue?

Please help.

2552. Re: On Win7 64bit quisk fails to start for HL2

Yahoo group: n2adr-sdr
Date: 2018-06-26 17:34:56 UTC
From: jahlstr@...
Topic: 2551 Message: 2552

Hello,

To get error messages in Windows, run Quisk from a terminal window. Change directory to the Quisk directory, and enter:

c:\python27\python.exe quisk.py -a

The "-a" causes Quisk to ask which radio you want to run, ConfigFileRadio or HL2. Select HL2 and look for the output.

I ran Quisk on my Windows 10 machine here with your .quisk_init.pkl and quisk_settings.json files. It showed a bug in the latest release 4.1.19 with the "Audio" band. To work around it, start with CondifFileRadio and select the 40 meter band, then exit. Then Quisk will restart with 40 meters instead of Audio. But I doubt this is the problem you are having. Post any error messages you get.

You could also try temporarily turning off Windows Firewall and see if that helps.

jim
N2ADR

2553. Re: On Win7 64bit quisk fails to start for HL2

Yahoo group: n2adr-sdr
Date: 2018-06-27 16:59:44 UTC
From: desai_amogh@...
Topic: 2551 Message: 2553

Thank you Jim,

Setting the band to 40 on ConfigFileRadio and restarting to HL2 Radio did the trick.

Amogh
VU3DES

---In n2adr-sdr@yahoogroups.com, <jahlstr@...> wrote :

Hello,

To get error messages in Windows, run Quisk from a terminal window. Change directory to the Quisk directory, and enter:

c:\python27\python.exe quisk.py -a

The "-a" causes Quisk to ask which radio you want to run, ConfigFileRadio or HL2. Select HL2 and look for the output.

I ran Quisk on my Windows 10 machine here with your .quisk_init.pkl and quisk_settings.json files. It showed a bug in the latest release 4.1.19 with the "Audio" band. To work around it, start with CondifFileRadio and select the 40 meter band, then exit. Then Quisk will restart with 40 meters instead of Audio. But I doubt this is the problem you are having. Post any error messages you get.

You could also try temporarily turning off Windows Firewall and see if that helps.

jim
N2ADR

2554. Virtual Box installation.

Yahoo group: n2adr-sdr
Date: 2018-07-02 18:12:18 UTC
From: artus1947@...
Topic: 2554 Message: 2554

Folks,
I am trying to bring up Quisk 4.1.19 under a VirtualBox -- Mint 18.3 running on my MacBook Pro High Sierra. I have my HL2 connected directly through an ASIX Gigabit USB Adapter. I can ping the HL2 at 169.254.19.221. Both SparkSDR and LinHPSDR find and work with this arrangement. Quisk comes up with a "No capture device found." With Wireshark running, I see no activity when I launch Quisk, unlike either SparkSDR or LinHPSDR which both show negotiations. I have tried leaving the IP address blank and putting in 169.254.19.221 using both a 255.255.0.0 and 255.255.255.0 masks. I have the audio set to Pulse Default. I have Quisk running on many other platforms Windows10, Mint 18.3, RP3, etc., but not under a Virtual Box. I have also tried launching from OSX directly but no joy (it launches but python (Python 2.7.15 & 4.0.2 osx-cocoa (phoenix) wxWidgets 3.0.5) is very slugish and eventually hangs) Any thoughts.

P.S. I did have the glitch with the "Audio band" preventing launching as noted by Jim on this group.

73

Jack (W0FNQ)

2555. Re: [n2adr-sdr] Virtual Box installation.

Yahoo group: n2adr-sdr
Date: 2018-07-02 18:48:48 UTC
From: Eric Thornton
Topic: 2554 Message: 2555

I had issues with wxwidgets 3 under osx. I downgraded to 2.8 which works
fine. I can't help with the sdr specific configuration though.

Eric
ww4et

On Mon, Jul 2, 2018, 2:13 PM artus1947@... [n2adr-sdr] <
n2adr-sdr@yahoogroups.com> wrote:

>
>
> Folks,
>
> I am trying to bring up Quisk 4.1.19 under a VirtualBox -- Mint 18.3
> running on my MacBook Pro High Sierra. I have my HL2 connected directly
> through an ASIX Gigabit USB Adapter. I can ping the HL2 at
> 169.254.19.221. Both SparkSDR and LinHPSDR find and work with this
> arrangement. Quisk comes up with a "No capture device found." With
> Wireshark running, I see no activity when I launch Quisk, unlike either
> SparkSDR or LinHPSDR which both show negotiations. I have tried leaving
> the IP address blank and putting in 169.254.19.221 using both a 255.255.0.0
> and 255.255.255.0 masks. I have the audio set to Pulse Default. I have
> Quisk running on many other platforms Windows10, Mint 18.3, RP3, etc., but
> not under a Virtual Box. I have also tried launching from OSX directly but
> no joy (it launches but python (Python 2.7.15 & 4.0.2 osx-cocoa (phoenix)
> wxWidgets 3.0.5) is very slugish and eventually hangs) Any thoughts.
>
>
> P.S. I did have the glitch with the "Audio band" preventing launching as
> noted by Jim on this group.
>
>
> 73
>
> Jack (W0FNQ)
>
>
>
>

2556. Ubuntu 18.04 wxwidgets problem

Yahoo group: n2adr-sdr
Date: 2018-07-03 01:13:34 UTC
From: Sid Boyce
Topic: 2556 Message: 2556

Hi Jim,

2.8 is no longer available for 18.04LTS, versions 3 and 4 are currently shipped.

Quisk fails to paint a good proportion of the display and spits out the recurring error.

```
? File "quisk.py", line 2022, in OnPaint
??? dc.DrawBitmap(b, x, y)
? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk3/wx/_gdi.py", line
3706, in DrawBitmap
??? return _gdi_.DC_DrawBitmap(*args, **kwargs)
wx._core.PyAssertionError: C++ assertion "bmpData->m_pixbufNoMask"
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failed at ../src/gtk/bitmap.cpp(1262) in SetSourceSurface(): no bitmap data
73 ... Sid.
```

```
--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks
```

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2557. Re: [n2adr-sdr] Ubuntu 18.04 wxwidgets problem

Yahoo group: n2adr-sdr
Date: 2018-07-03 01:37:55 UTC
From: Sid Boyce
Topic: 2556 Message: 2557

On 7 inch touch screens for HiQSDR and HL2 switching to another desktop
and back fixes the quisk display problem.
73 ... Sid.

On 03/07/18 02:13, Sid Boyce g3vbv@... [n2adr-sdr] wrote:
> Hi Jim,
>
> 2.8 is no longer available for 18.04LTS, versions 3 and 4 are currently
> shipped.
>
> Quisk fails to paint a good proportion of the display and spits out the
> recurring error.
>
>
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> ??? dc.DrawBitmap(b, x, y)
> ? File "/usr/lib/python2.7/dist-packages/wx-3.0-gtk3/wx/_gdi.py", line
> 3706, in DrawBitmap
> ??? return _gdi_.DC_DrawBitmap(*args, **kwargs)
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> failed at ../src/gtk/bitmap.cpp(1262) in SetSourceSurface(): no bitmap data

> 73 ... Sid.
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
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2558. Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-04 05:14:14 UTC
From: Doug
Topic: 2558 Message: 2558

I want to implement Quisk with my remote Afedri receiver. I have a zip archive of the Afedri interface files from the Afedri site and Ubuntu 16.04 with Quisk installed from the package manager which is version 3.7.6. Are there instructions anywhere on how to make this work together? What files are copied where? Any help would be greatly appreciated.

Doug

2559. Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-04 19:38:19 UTC
From: alex@...
Topic: 2558 Message: 2559

Dough, At first try to install, configure and run Quisk with PC's sound card to test you installation.
You can use AFEDRI connected to PC through USB as sound device too.

For network conenction You need to:
1. extract files from archive,
2. create the new folder in quisk directory, you can name this folder for example - afedrinet
3. copy all files from archive into this new folder
4. change corrent path to this new folder
5. compile binary running afe_library script , if it will not compile and give you error, you should change afe_script paths according your Linux installation (for example path to Pyhton , libraries etc.)
6. change definitions in afedri hardware related configuration file quisk_conf_linux.py
7. change current directory to quisk root.
8. Run quisk with afedrinet using command like this:

quisk.py -c afedrinet/quisk_conf.py

More information you can find in Quisk documentation in the section about custom hardware.

73!
Alex

2560. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-04 22:22:19 UTC
From: Doug
Topic: 2558 Message: 2560

Alex,
Thanks for your prompt response. I am not clear where the "quisk" folder is in my package installed quisk. This is a long list but here is what I have in Ubuntu 16.04. Quisk does work and seems to see my sound card as I hear hiss audio and can select filters, etc. So which of these constitutes the "quisk" directory?

locate quisk

/home/doug/.quisk_init.pkl/home/doug/.cache/software-center/download-cache/screenshots.ubuntu.com_screenshot-with-version_quisk_3.7.6-1
/home/doug/.cache/software-center/rnrclient/reviews.ubuntu.com,reviews,api,1.0,reviews,filter,en,any,any,any,quisk,page,1,helpful,,103eac1dd68ef553bec97e8deb18c1ba
/home/doug/.cache/software-center/rnrclient/reviews.ubuntu.com,reviews,api,1.0,reviews,filter,en,any,any,any,quisk,page,1,helpful,,63c922058f2a0cbd2512a4b6fefece98
/home/doug/.cache/software-center/rnrclient/reviews.ubuntu.com,reviews,api,1.0,reviews,filter,en,ubuntu,xenial,any,quisk,page,1,helpful,,a258fbe100bdefb40761a73e167021e2
/home/doug/.cache/software-center/rnrclient/reviews.ubuntu.com,reviews,api,1.0,reviews,filter,en,ubuntu,xenial,any,quisk,page,1,helpful,,b8255ac7203f4cad98aa89b0aab3d8b4
/home/doug/Desktop/quisk_conf_linux.py
/home/doug/Downloads/quisk-4.1.20.tar.gz
/home/doug/Downloads/quisk_afedrinet_win_linux_mac.zip
/usr/bin/quisk
/usr/lib/python2.7/dist-packages/quisk
/usr/lib/python2.7/dist-packages/quisk-3.7.6.egg-info
/usr/lib/python2.7/dist-packages/quisk/CHANGELOG.txt
/usr/lib/python2.7/dist-packages/quisk/__init__.py
/usr/lib/python2.7/dist-packages/quisk/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/_quisk.x86_64-linux-gnu.so
/usr/lib/python2.7/dist-packages/quisk/charleston
/usr/lib/python2.7/dist-packages/quisk/defaults.html
/usr/lib/python2.7/dist-packages/quisk/docs.html
/usr/lib/python2.7/dist-packages/quisk/docs1.html
/usr/lib/python2.7/dist-packages/quisk/docs2.html
/usr/lib/python2.7/dist-packages/quisk/dxcluster.py
/usr/lib/python2.7/dist-packages/quisk/dxcluster.pyc
/usr/lib/python2.7/dist-packages/quisk/filters.py
/usr/lib/python2.7/dist-packages/quisk/filters.pyc
/usr/lib/python2.7/dist-packages/quisk/help.html
/usr/lib/python2.7/dist-packages/quisk/help_vna.html
/usr/lib/python2.7/dist-packages/quisk/libusb.txt
/usr/lib/python2.7/dist-packages/quisk/n2adr
/usr/lib/python2.7/dist-packages/quisk/portaudio.py
/usr/lib/python2.7/dist-packages/quisk/portaudio.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk.py
/usr/lib/python2.7/dist-packages/quisk/quisk.pyc

/usr/lib/python2.7/dist-packages/quisk/quisk_conf_defaults.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_defaults.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_kx3.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_kx3.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_model.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_model.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_peaberry.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_peaberry.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_sdr8600.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_sdr8600.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_sdriq.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_sdriq.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_win.py
/usr/lib/python2.7/dist-packages/quisk/quisk_conf_win.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_fixed.py
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_fixed.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_hamlib.py
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_hamlib.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_model.py
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_model.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_sdr8600.py
/usr/lib/python2.7/dist-packages/quisk/quisk_hardware_sdr8600.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_vna.py
/usr/lib/python2.7/dist-packages/quisk/quisk_vna.pyc
/usr/lib/python2.7/dist-packages/quisk/quisk_widgets.py
/usr/lib/python2.7/dist-packages/quisk/quisk_widgets.pyc
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg
/usr/lib/python2.7/dist-packages/quisk/softrock
/usr/lib/python2.7/dist-packages/quisk/usb
/usr/lib/python2.7/dist-packages/quisk/charleston/__init__.py
/usr/lib/python2.7/dist-packages/quisk/charleston/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/charleston/chas3.4.7_quisk_conf.py
/usr/lib/python2.7/dist-packages/quisk/charleston/chas3.4.7_quisk_conf.pyc
/usr/lib/python2.7/dist-packages/quisk/charleston/chas_rx1.x86_64-linux-gnu.so
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_conf.py
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_conf.pyc
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_hardware.py
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_hardware.pyc
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_widgets.py
/usr/lib/python2.7/dist-packages/quisk/charleston/quisk_widgets.pyc
/usr/lib/python2.7/dist-packages/quisk/charleston/setup.py
/usr/lib/python2.7/dist-packages/quisk/charleston/setup.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/__init__.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf1.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf1.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf2.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf2.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf3.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf3.pyc

/usr/lib/python2.7/dist-packages/quisk/n2adr/conf3A.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf3A.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf4.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf4.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf5.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf5.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf6.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf6.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf7.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/conf7.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_conf.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_conf.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_conf_8600.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_conf_8600.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_hardware.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_hardware.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_widgets.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/quisk_widgets.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/scanner_widgets.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/scanner_widgets.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/startup.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/startup.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/station_hardware.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/station_hardware.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx_conf.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx_conf.pyc
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx_widgets.py
/usr/lib/python2.7/dist-packages/quisk/n2adr/uhfrx_widgets.pyc
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg/__init__.py
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg/quisk_hardware.py
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg/quisk_hardware.pyc
/usr/lib/python2.7/dist-packages/quisk/sdriqpkg/sdriq.x86_64-linux-gnu.so
/usr/lib/python2.7/dist-packages/quisk/softrock/__init__.py
/usr/lib/python2.7/dist-packages/quisk/softrock/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_fixed.py
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_fixed.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_rx_ensemble2.py
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_rx_ensemble2.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_rx_tx_ensemble.py
/usr/lib/python2.7/dist-packages/quisk/softrock/conf_rx_tx_ensemble.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_net.py
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_net.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.py
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_usb.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_usb_new.py
/usr/lib/python2.7/dist-packages/quisk/softrock/hardware_usb_new.pyc
/usr/lib/python2.7/dist-packages/quisk/softrock/widgets_tx.py

/usr/lib/python2.7/dist-packages/quisk/softrock/widgets_tx.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/__init__.py
/usr/lib/python2.7/dist-packages/quisk/usb/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/_debug.py
/usr/lib/python2.7/dist-packages/quisk/usb/_debug.pyc
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/usr/lib/python2.7/dist-packages/quisk/usb/_interop.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/_lookup.py
/usr/lib/python2.7/dist-packages/quisk/usb/_lookup.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend
/usr/lib/python2.7/dist-packages/quisk/usb/control.py
/usr/lib/python2.7/dist-packages/quisk/usb/control.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/core.py
/usr/lib/python2.7/dist-packages/quisk/usb/core.pyc
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/usr/lib/python2.7/dist-packages/quisk/usb/legacy.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/libloader.py
/usr/lib/python2.7/dist-packages/quisk/usb/libloader.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/util.py
/usr/lib/python2.7/dist-packages/quisk/usb/util.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/__init__.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/__init__.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb0.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb0.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb01.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb01.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb1.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb1.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb10.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/libusb10.pyc
/usr/lib/python2.7/dist-packages/quisk/usb/backend/openusb.py
/usr/lib/python2.7/dist-packages/quisk/usb/backend/openusb.pyc
/usr/share/app-install/desktop/quisk:quisk.desktop
/usr/share/app-install/icons/quisk.png
/usr/share/applications/quisk.desktop
/usr/share/doc/quisk
/usr/share/doc/quisk/changelog.Debian.gz
/usr/share/doc/quisk/copyright
/usr/share/doc/quisk/docs.html
/usr/share/doc/quisk/docs1.html
/usr/share/doc/quisk/docs2.html
/usr/share/doc/quisk/help.html
/usr/share/doc/quisk/libusb.txt
/usr/share/doc/quisk/quisk_conf_charleston.py
/usr/share/doc/quisk/quisk_conf_defaults.py.gz
/usr/share/doc/quisk/quisk_conf_fcd.py
/usr/share/doc/quisk/quisk_conf_kx3.py
/usr/share/doc/quisk/quisk_conf_model.py
/usr/share/doc/quisk/quisk_conf_sdr8600.py
/usr/share/doc/quisk/quisk_conf_sdriq.py

/usr/share/icons/hicolor/32x32/apps/quisk.png
/usr/share/man/man1/quisk.1.gz
/var/cache/apt/archives/quisk_3.7.6-1_amd64.deb
/var/lib/dpkg/info/quisk.list
/var/lib/dpkg/info/quisk.md5sums
/var/lib/dpkg/info/quisk.postinst
/var/lib/dpkg/info/quisk.prerm

Doug
On Wednesday, July 4, 2018, 3:38:26 PM EDT, alex@... [n2adr-sdr]
<n2adr-sdr@yahoogroups.com> wrote:

Dough,
At first try to install, configure and run Quisk with PC's sound card to test you installation.You can use AFEDRI connected to PC through USB as sound device too.
For network conenction You need to:1. extract files from archive,2. create the new folder in quisk directory, you can name this folder for example - afedrinet 3. copy all files from archive into this new folder4. change corrent path to this new folder 5. compile binary running afe_library script , if it will not compile and give you error, you should change afe_script paths according your Linux installation (for example path to Pyhton , libraries etc.)6. change definitions in afedri hardware related configuration file quisk_conf_linux.py7. change current directory to quisk root.8. Run quisk with afedrinet using command like this:
quisk.py -c afedrinet/quisk_conf.py

More information you can find in Quisk documentation in the section about custom hardware.
73!Alex

2561. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-05 07:35:15 UTC
From: alex@...
Topic: 2558 Message: 2561

Doug, Where is the quisk located - it is better to ask Quisk author :-)
It seam to me that it is sitting inside : /usr/lib/python2.7/dist-packages/quisk
I do not think it is the good thing to edit and compile files in this directory.
So you will need to change something in sequence.I do not recommend edit files located in /usr folder, it is not good idea for security and OS .

I am installing Quisk manually in my home directory, if you choose automatic installation - you have to ask package contributor where is it.
By the way I suppose that hardware (afedri) related directory can be placed in any folder, only you will need to change accordingly configuration files that you are using to start quisk - never tested that variant.

So please open your mind in Linux way :-)
73!
Alex

2562. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-06 02:02:52 UTC
From: Doug
Topic: 2558 Message: 2562

Alex,
 OK here is what I did. I uninstalled the package quisk and installed the latest version from the website in a known directory. I then followed your directions and compiled the afe_library successfully. I then configured the conf file with IP address. It apparently connects but no waterfall or sound output. I am doing this remotely so i want the sample rate to be the lowest. In SDR-radio it is 50Khz but I am not sure how to set it here or if this is even the problem. SDR-radio works to the remote afedri. Here is what is in the file -

```
rx_udp_clock = 79998382                 # ADC sample rate in Hertz
#rx_udp_decimation = 8 * 8 * 8          # Decimation from clock to UDP sample rate
#sample_rate = int(float(rx_udp_clock) / rx_udp_decimation + 0.5)       # Don't change this
data_poll_usec = 10000
#sample_rate = 192000                   # ADC hardware sample rate in Hertz
sample_rate = 740740                    # ADC hardware sample rate in Hertz
playback_rate = 48000                   # Radio sound play rate
name_of_sound_capt = ""#AFEDRI-SDR-Net Audio"
```

Doug

On Thursday, July 5, 2018, 3:36:02 AM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Doug,
Where is the quisk located - it is better to ask Quisk author :-)It seam to me that it is sitting inside : /usr/lib/python2.7/dist-packages/quiskI do not think it is the good thing to edit and compile files in this directory.So you will need to change something in sequence.I do not recommend edit files located in /usr folder, it is not good idea for security and OS .
I am installing Quisk manually in my home directory, if you choose automatic installation - you have to ask package contributor where is it.By the way I suppose that hardware (afedri) related directory can be placed in any folder, only you will need to change accordingly configuration files that you are using to start quisk - never tested that variant.
So please open your mind in Linux way :-)73!Alex

2563. Re: Ubuntu 18.04 wxwidgets problem

Yahoo group: n2adr-sdr
Date: 2018-07-06 11:31:25 UTC
From: jahlstr@...
Topic: 2556 Message: 2563

Hello Sid,

I have wxPython 3 on my Windows machine and it works fine. I will have to install Ubuntu 18 to fix this. The general release should be available soon.

Jim
N2ADR

2564. Re: [n2adr-sdr] Re: Ubuntu 18.04 wxwidgets problem

Yahoo group: n2adr-sdr
Date: 2018-07-06 13:59:14 UTC
From: Sid Boyce
Topic: 2556 Message: 2564

Hi Jim,
18.04 LTS was officially released on April 26 and 18.10 is scheduled for
a release date of October 18.
I upgraded the x86_64 boxes back in April and in the last week the 3
ODROID-C2's including the one in the standalone HiQSDR.
73 ... Sid.

On 06/07/18 12:31, jahlstr@... [n2adr-sdr] wrote:
>
> Hello Sid,
>
>
> I have wxPython 3 on my Windows machine and it works fine. I will have
> to install Ubuntu 18 to fix this. The general release should be
> available soon.
>
> Jim
> N2ADR
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2565. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-06 16:50:38 UTC
From: alex@...
Topic: 2558 Message: 2565

Doug, I do not understand why do you ignoring configuration file that I intentionally put into afedrinet folder?
I mean file that have name quisk_conf_linux.py and it looks like:

```
from afedrinet import quisk_hardware # Use different hardware file
use_rx_udp = 1 # Get ADC samples from UDP
rx_udp_ip = "192.168.0.8" # Sample source IP address
rx_udp_port = 50000 # Sample source UDP port
rx_udp_clock = 80000000 # ADC sample rate in Hertz
data_poll_usec = 10000

sample_rate = 740740 # ADC hardware sample rate in Hertz

playback_rate = 48000 # Radio sound play rate
name_of_sound_capt = "" # Name of soundcard capture hardware device.
name_of_sound_play = "hw:0,0" # Use the same device for play back.
latency_millisecs = 50 # latency time in milliseconds

display_fraction = 0.92 # The edges of the full bandwidth are not valid
default_rf_gain = 14
default_screen = 'WFall'
```

Please look well at this file...
73!
Alex

2566. FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2018-07-07 10:44:54 UTC
From: gvjury@...
Topic: 2203 Message: 2566

When changing modes the filter shadow does not alter to reflect the bandwidth. I am not certain if the mode actually changes as I have not found someone to talk to yet.

When using pulse audio the radio very frequently crashes but works fine on alsa. This is just a heads up at present as I have done no debugging yet.

73, Graeme zl2apv

2567. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-07 15:20:29 UTC
From: alex@...
Topic: 2558 Message: 2567

Doug, I can also recommend in the beginning to try networked connection when both SDR and PC located on the same local network (internet has it's own problem and tuning do not connected to Qusk)
And Finally everything will work fine.
73!
Alex

2568. Re: FreeDV on Quisk

Yahoo group: n2adr-sdr
Date: 2018-07-10 22:10:36 UTC
From: gvjury@...
Topic: 2203 Message: 2568

Another issue which is only a cosmetic bug is that the menu defaults to the last entry i.e. 700D in my case, rather than the first. Below is my config setup for FreeDV. I have tried using the lib files supplied with quisk and also tried transferring the compiled library file from David's svn to the quisk/freedvpkg directory.

```
## freedv_tx_msg FreeDv Tx message, text
# For freedv, this is the text message to send.
#freedv_tx_msg = ''
freedv_tx_msg = 'ZL2APV Graeme, New Plymouth, RF70bw \n'

# This is the list of FreeDV modes and their index number. The starting mode is the first listed.
freedv_modes = (('Mode 1600', 0), ('2400A', 1), ('2400B', 2), ('800XA', 3), ('Mode 700', 4), ('Mode 700B', 5), ('700C', 6), ('700D', 7))
```

73, Graeme zl2apv

2569. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-22 05:15:08 UTC
From: Doug
Topic: 2558 Message: 2569

Alex,
 Finally getting back to this. I have it working at my home QTH where the Afedri is on the same LAN. It works well but nothing I change in the config file regarding sample rate seems to change anything. It is stuck on 370370 in the config screen. I believe this was my problem using it remotely as I cannot run that bandwidth remotely. I would be happy with 48khz. Do you have any idea why it does not seem to be responding to changes? Other things like the playback soundcard are read fine. Also if this did work what sample rates are allowed? It almost seems like these numbers are compiled in.

Doug Crompton
WA3DSP
http://www.crompton.com

On Saturday, July 7, 2018, 11:23:24 AM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Doug,
I can also recommend in the beginning to try networked connection when both SDR and PC located on the same local network (internet has it's own problem and tuning do not connected to Qusk)And Finally everything will work fine.73!Alex

2570. Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-22 15:56:06 UTC
From: alex@...
Topic: 2558 Message: 2570

Hi Dough,
At first sample-rate settings should work well when you pressing the "Config"button in Quisk application.
the number that is placed inside config file is initial (default) value only.
So to change the sample rate please press "Config" button and go to "Config" tab there, choose desired sample rate from the list, list has the next values"
53333
96000
133333
185185
192000
etc,
If you have the standard AFEDRI SDR-net, the choose of 53333 hz - is more correct than 48000 Hz.

73!
Alex

2571. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-22 18:06:30 UTC
From: Doug
Topic: 2558 Message: 2571

Alex, Thank you, that works fine. I feel stupid as because Quisk is so config file oriented I did not even think of doing it there. It always comes up in the sample rate you last selected but it does not change the config file. Where is this stored? Now I can test it from my remote location. Thanks again for your expert help.

Doug Crompton
WA3DSP
http://www.crompton.com

On Sunday, July 22, 2018, 11:56:12 AM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Dough,At first sample-rate settings should work well when you pressing the "Config"button in Quisk application.the number that is placed inside config file is initial (default) value only.So to change the sample rate please press "Config" button and go to "Config" tab there, choose desired sample rate from the list, list has the next values"53333 960001333331851851920000etc,If you have the standard AFEDRI SDR-net, the choose of 53333 hz - is more correct than 48000 Hz.
73!Alex

2572. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-22 18:32:11 UTC
From: alex@...
Topic: 2558 Message: 2572

Dough, I suppose you should read more about Quisk application :-)
For example on Quisk Documentation home page:
http://james.ahlstrom.name/quisk/docs.html http://james.ahlstrom.name/quisk/docs.html

73!
Alex

2573. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-27 04:13:05 UTC
From: Doug
Topic: 2558 Message: 2573

Alex,
 I am at my remote location and although quisk comes up, it is not getting data from my remote Afedri. SDR Console does so I know the link is working.
The Ubuntu here is 2.7 and is running in 64 bit. I suspect that could be a problem as I saw something about that in the docs. If it is, is there a way to run it in 32 bit mode. I see google reference to using python2.7-32 but no such thing exists on my system. Do I need to compile a version for 32 bit or is there an easier way to do it?

Doug Crompton
WA3DSP
http://www.crompton.com

On Sunday, July 22, 2018, 2:32:27 PM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Dough,
I suppose you should read more about Quisk application :-)For example on Quisk Documentation home page:http://james.ahlstrom.name/quisk/docs.html

73!Alex

2574. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-27 13:33:27 UTC
From: alex@...
Topic: 2558 Message: 2574

Hi Dough, 1. I suppose that the fact that you have problem to get UDP data from AFEDRI through internet, when on local network it is working, have no any connection to Python version and bits number of the Python and OS.
To get UDP working over internet you must configure portmapping for AFEDRi internet router on both sides port (to connect port to SDR and client IP 50000 - default) .
The AFEDRI SDR-Net allows automatic port mapping for client application for UDP when proper procedures used, this port mapping is not implemented in Quisk package.
So when SDR used with SDR_Network_Control_box plugin as ExtIO for HDSDR - client's port will be mapped automatically, but on the server side (SDR side) you must configure port mapping on the inetrnet router in any case.

2. All questions relatively to required Python version and QS/Python/Quisk bits number - you have to ask Quisk developer...

73!
Alex

2575. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-27 14:37:31 UTC
From: Doug
Topic: 2558 Message: 2575

Alex,
   Port forwarding is NOT the problem. That has been in place at both ends and working fine. The SDR console in Windows works with Afedri remotely on the same computer.

Doug Crompton
WA3DSP
http://www.crompton.com

On Friday, July 27, 2018, 9:33:36 AM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Dough,
1. I suppose that the fact that you have problem to get UDP data from AFEDRI through internet, when on local network it is working, have no any connection to Python version and bits number of the Python and OS.To get UDP working over internet you must configure portmapping for AFEDRi internet router on both sides port (to connect port to SDR and client IP 50000 - default) .The AFEDRI SDR-Net allows automatic port mapping for client application for UDP when proper procedures used, this port mapping is not implemented in Quisk package.So when SDR used with SDR_Network_Control_box plugin as ExtIO for HDSDR - client's port will be mapped automatically, but on the server side (SDR side) you must configure port mapping on the inetrnet router in any case. 2. All questions relatively to required Python version and QS/Python/Quisk bits number - you have to ask Quisk developer...
73!Alex

2576. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-27 19:23:41 UTC
From: alex@...
Topic: 2558 Message: 2576

Dough, If you know how to make SDR_Console to work with AFEDRi over internet, so Quisk should not be a problem too. Only make correct configuration.
I cannot give better advice.
Can advice only to bring AFEDRI to remote site and try it's work on local network at first.

May be you missed something that was done on the other computer.

In connection to 32/64 bit Pyhton-Qusik dependence - it is out of my knowledge.

73!
Alex

2577. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-29 06:03:34 UTC
From: Doug
Topic: 2558 Message: 2577

Alex,
  Eureka, got it. My fault. For some reason my IP address at the Ubuntu remote computer had changed and thus the port forward to 50000 was not correct. Thanks for your help and sorry for all the chatter. I had thought that sdr-console required that because it was working fine without it being correct so I did not check it.

Doug Crompton
WA3DSP
http://www.crompton.com

On Friday, July 27, 2018, 3:31:27 PM EDT, alex@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Dough,
If you know how to make SDR_Console to work with AFEDRi over internet, so Quisk should not be a problem too. Only make correct configuration. I cannot give better advice.Can advice only to bring AFEDRI to remote site and try it's work on local network at first.
May be you missed something that was done on the other computer.
In connection to 32/64 bit Pyhton-Qusik dependence - it is out of my knowledge.
73!Alex

2578. HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-29 13:25:21 UTC
From: runeegil@...
Topic: 2578 Message: 2578

Hi All,

I have currently blowing the dust of my HIQSDR radio :-)
Installed the latest version og QUISK (Windows) and got it running with the default IP address(192.168.2.196). I would like to have the radio on my local net with 192.168.1.196.
I tought that was possible with the seting in the menue that you could change the IP to XXXXX1.196 and the change to a static IP on my computer to XXXXX1.97.
When i do dthat i dont get the connection, and i am not able to ping the radio with he new IP. Old IP all is good.
I have quisk ver 4.1.21 and firmware 1.4. Any idea ?

73

Rune LA7THA

2579. Re: [n2adr-sdr] Re: Quisk with Afedri

Yahoo group: n2adr-sdr
Date: 2018-07-29 14:52:39 UTC
From: alex@...
Topic: 2558 Message: 2579

Dough, Thanks, good to know that it is working for you :-)

73!
Alex

2580. Re: [n2adr-sdr] HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-29 19:35:01 UTC
From: Sid Boyce
Topic: 2578 Message: 2580

Hi Rune,
That's my reading also but I have never tried doing it.

I have always used a separate Ethernet card or dongle to the HiQSDR with
addresses 192.168.2.198 for the PC/Odroid-C2 end and 192.168.2.196 for
the HiQSDR.

I presume there isn't a problem with other connections.

You could try setting up eth0 as 192.168.1.197 and eth0:1 as an alias
with? e.g 192.168.2.198
https://serverfault.com/questions/355380/how-to-setup-network-interface-to-have-eth0-as-dh
cp-and-eth01-as-static-ip
73 ... Sid.

On 29/07/18 14:25, runeegil@... [n2adr-sdr] wrote:
>
> Hi All,
>
>
> I have currently blowing the dust of my HIQSDR radio :-)
>
> Installed the latest version og QUISK? (Windows) and got it running
> with the default IP address(192.168.2.196). I would like to have the
> radio on my local net with 192.168.1.196. I tought that was possible
> with the seting in the menue that you could? change the IP to
> XXXXX1.196 and the change to a static IP on my computer to XXXXX1.97.
>
> When i do dthat i dont get the connection, and i am not able to ping
> the radio with he new IP. Old IP all is good.
>
> I have quisk ver 4.1.21 and firmware 1.4. Any idea ?
>
>
> 73
>
>
> Rune LA7THA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2581. Re: [n2adr-sdr] HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 09:50:30 UTC
From: Rune Øye
Topic: 2578 Message: 2581

Sid!

Thanks for info. On a Windows platform, you can assign two staticIP address on you Ethernet card. The function is under the advanced settings.IE, 192.168.1.196 and net mask 255.255.255.0 the 192.168.2.196. I have donethis and it work via my switch however, it does not really solve the function tochange the IP address in the software. When I change the IP in Quisk software,do the settings “true”, and restart the software, that radio does not take thenew IP. I am not able to ping the new IP address only the old IP(192.168.2.196). Even after, I change the static IP in the computer to be onthe same subnet.

73 Rune LA7THA

On ☐Sunday☐, ☐29☐ ☐July☐ ☐2018☐ ☐21☐:☐35☐:☐09, Sid Boyce g3vbv@blueyonder.co.uk [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Rune,
That's my reading also but I have never tried doing it.

I have always used a separate Ethernet card or dongle to the HiQSDR with
addresses 192.168.2.198 for the PC/Odroid-C2 end and 192.168.2.196 for
the HiQSDR.

I presume there isn't a problem with other connections.

You could try setting up eth0 as 192.168.1.197 and eth0:1 as an alias
with e.g 192.168.2.198
https://serverfault.com/questions/355380/how-to-setup-network-interface-to-have-eth0-as-dhcp-and-eth01-as-static-ip
73 ... Sid.

On 29/07/18 14:25, runeegil@... [n2adr-sdr] wrote:
>
> Hi All,
>
>
> I have currently blowing the dust of my HIQSDR radio :-)
>
> Installed the latest version og QUISK (Windows) and got it running
> with the default IP address(192.168.2.196). I would like to have the
> radio on my local net with 192.168.1.196. I tought that was possible
> with the seting in the menue that you could change the IP to
> XXXXX1.196 and the change to a static IP on my computer to XXXXX1.97.
>
> When i do dthat i dont get the connection, and i am not able to ping
> the radio with he new IP. Old IP all is good.
>
> I have quisk ver 4.1.21 and firmware 1.4. Any idea ?

>
>
> 73
>
>
> Rune LA7THA
>
>

--
Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

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Yahoo Groups Links

2582. Re: [n2adr-sdr] HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 11:05:31 UTC
From: Sid Boyce
Topic: 2578 Message: 2582

Hi Rune,
I think this is one for Jim to solve.
Currently my HiQSDR standalone is on my LAN as 192.168.10.238 mainly for software updates and I have a USB dongle connected to the HiQSDR accessible as 192.168.2.196.

The enclosure houses the HiQSDR/Preselector/10W PA connected to an ODROID-C2 with a 7 inch touchscreen, keyboard and mouse as needed.
73 ... Sid.

On 30/07/18 10:50, Rune ?ye runeegil@... [n2adr-sdr] wrote:
>
> Sid!
>
> Thanks for info. On a Windows platform, you can assign two static IP
> address on you Ethernet card. The function is under the advanced
> settings. IE, 192.168.1.196 and net mask 255.255.255.0 the
> 192.168.2.196. I have done this and it work via my switch however, it
> does not really solve the function to change the IP address in the
> software. When I change the IP in Quisk software, do the settings
> “true”, and restart the software, that radio does not take the new
> IP. I am not able to ping the new IP address only the old IP
> (192.168.2.196). Even after, I change the static IP in the computer to
> be on the same subnet.
>
> 73 Rune LA7THA
>
>
> On □Sunday□, □29□ □July□ □2018□
> □21□:□35□:□09, Sid Boyce g3vbv@... [n2adr-sdr]
> <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Hi Rune,
> That's my reading also but I have never tried doing it.
>
> I have always used a separate Ethernet card or dongle to the HiQSDR with
> addresses 192.168.2.198 for the PC/Odroid-C2 end and 192.168.2.196 for
> the HiQSDR.
>
> I presume there isn't a problem with other connections.
>
> You could try setting up eth0 as 192.168.1.197 and eth0:1 as an alias
> with? e.g 192.168.2.198
>

https://serverfault.com/questions/355380/how-to-setup-network-interface-to-have-eth0-as-dhcp-and-eth01-as-static-ip
> 73 ... Sid.
>
> On 29/07/18 14:25, runeegil@... <mailto:runeegil@...>
> [n2adr-sdr] wrote:
> >
> > Hi All,
> >
> >
> > I have currently blowing the dust of my HIQSDR radio :-)
> >
> > Installed the latest version og QUISK (Windows) and got it running
> > with the default IP address(192.168.2.196). I would like to have the
> > radio on my local net with 192.168.1.196. I tought that was possible
> > with the seting in the menue that you could? change the IP to
> > XXXXX1.196 and the change to a static IP on my computer to XXXXX1.97.
> >
> > When i do dthat i dont get the connection, and i am not able to ping
> > the radio with he new IP. Old IP all is good.
> >
> > I have quisk ver 4.1.21 and firmware 1.4. Any idea ?
> >
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> > 73
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> > Rune LA7THA
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> --
> Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
> Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
> Senior Staff Specialist, Cricket Coach
> Microsoft Windows Free Zone - Linux used for all Computing Tasks
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> Yahoo Groups Links
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> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2583. Re: [n2adr-sdr] HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 11:29:46 UTC
From: gvjury@...
Topic: 2578 Message: 2583

Hi Rune and Sid,

I too thought that recent software would let you change the IP address but it did not work for me either. To get over the issue, I changed the netmaask on my IPV4 to netmask = 255.255.252.0 which then lets me access 192.2.nnn.nnn but I would prefer to change HiQSDR to 192.168.1.196 also.

73, Graeme ZL2APV

2584. Re: [n2adr-sdr] HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 11:32:42 UTC
From: gvjury@...
Topic: 2578 Message: 2584

whoops 192.168.(2 or 1).nnn

73, Graeme

2585. Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 21:17:50 UTC
From: jahlstr@...
Topic: 2578 Message: 2585

Hello,

The feature to change the IP address to 192.168.1.196 requires version 4 of my firmware. What firmware are you using? I don't think the firmware by DL2STG implements this feature.

Jim
N2ADR

2586. Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-30 21:31:16 UTC
From: gvjury@...
Topic: 2578 Message: 2586

Hello Jim,

Thanks for the info. Yes the problem for me is that I am using the DL2STG version. There is no reason for me to use this as I am no longer using his stand alone software so I will change to your ver 4 firmware and give it a so some time.

73, Graeme ZL2APV

2587. Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-31 19:52:08 UTC
From: runeegil@...
Topic: 2578 Message: 2587

Hi Jim,

Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster and get the new firmware 4 burned in.
Where do i find ver 4 of the firmware.

73 Rune LA7THA

2588. Re: [n2adr-sdr] Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-07-31 23:47:06 UTC
From: Sid Boyce
Topic: 2578 Message: 2588

Hi Rune,
http://james.ahlstrom.name/transceiver/fpga_ver4.zip which is described on hiqsdr.com as version 1.4 which you say is already installed:-
The firmware *version 1.4* allows you to change the IP address of the hardware from the PC instead of using the address programmed into the firmware. It also changes FPGA pin 56 to be an output pin; high for normal, and low for full duplex (FDX) operation.
73 ... Sid.

On 31/07/18 20:52, runeegil@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
>
> Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster
> and get the new firmware 4 burned in.
> Where do i find ver 4 of the firmware.
>
> 73 Rune LA7THA
>

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Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support
Senior Staff Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

2589. Re: [n2adr-sdr] Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-08-01 05:17:44 UTC
From: Rune Øye
Topic: 2578 Message: 2589
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Sid,
Thanks for info. Yes, this is how I understand it as well and I guess that firmware has not been updated since ?.Attached is a screen grab of the software that tells me that this is ver 1.4 (or ver4).Wonder if I should flash the firmware again but should not be necessary since all seems to work nicely.
73 Rune LA7THA

On □Wednesday□, □1□ □August□ □2018□ □03□:□43□:□03□ □CAT, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Rune,
http://james.ahlstrom.name/transceiver/fpga_ver4.zip which is described
on hiqsdr.com as version 1.4 which you say is already installed:-
The firmware *version 1.4* allows you to change the IP address of the
hardware from the PC instead of using the address programmed into the
firmware. It also changes FPGA pin 56 to be an output pin; high for
normal, and low for full duplex (FDX) operation.
73 ... Sid.

On 31/07/18 20:52, runeegil@... [n2adr-sdr] wrote:
>
> Hi Jim,
>
>
> Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster
> and get the new firmware 4 burned in.
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Yahoo Groups Links

2590. Re: [n2adr-sdr] Re: HIQSDR and new IP [1 Attachment]

Yahoo group: n2adr-sdr
Date: 2018-08-01 13:18:09 UTC
From: Sid Boyce
Topic: 2578 Message: 2590

Hi Marc,
It's worth trying.
Currently I am using the DL2STG's firmware fpga_ver3-sg9.tgz
73 ... Sid.

On 01/08/18 06:17, Rune ?ye runeegil@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Thanks for info. Yes, this is how I understand it as well and I guess
> that firmware has not been updated since ?.
> Attached is a screen grab of the software that tells me that this is
> ver 1.4 (or ver4).
> Wonder if I should flash the firmware again but should not be
> necessary since all seems to work nicely.
>
> 73 Rune LA7THA
>
>
> Inline image
>
>
> On ☐Wednesday☐, ☐1☐ ☐August☐ ☐2018☐
> ☐03☐:☐43☐:☐03☐ ☐CAT, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Hi Rune,
> http://james.ahlstrom.name/transceiver/fpga_ver4.zip
> <http://james.ahlstrom.name/transceiver/fpga_ver4.zip%20>which is
> described
> on hiqsdr.com as version 1.4 which you say is already installed:-
> The firmware *version 1.4* allows you to change the IP address of the
> hardware from the PC instead of using the address programmed into the
> firmware. It also changes FPGA pin 56 to be an output pin; high for
> normal, and low for full duplex (FDX) operation.
> 73 ... Sid.
>
> On 31/07/18 20:52, runeegil@... <mailto:runeegil@...>
> [n2adr-sdr] wrote:
> >
> > Hi Jim,
> >
> >

> > Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster
> > and get the new firmware 4 burned in.
> > Where do i find ver 4 of the firmware.
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> Yahoo Groups Links
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>
> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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2591. Re: [n2adr-sdr] Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-08-02 04:49:58 UTC
From: Rune Øye
Topic: 2578 Message: 2591

All,
I downloaded the firmware from the link Sid provided me (from James web site) and flashed it las night, now I can change my IP address.I dont see any different in firmware version however all is good now :-) Thanks all for help and input. The next step must be to get this running on a Linux system. I do have a older laptop that I can use.
73 Rune LA7THA
On ☐Wednesday☐, ☐1☐ ☐August☐ ☐2018☐ ☐16☐:☐44☐:☐32☐ ☐CAT, Sid Boyce g3vbv@... [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:

Hi Marc,
It's worth trying.
Currently I am using the DL2STG's firmware fpga_ver3-sg9.tgz
73 ... Sid.

On 01/08/18 06:17, Rune Øye runeegil@... [n2adr-sdr] wrote:
>
> Hi Sid,
>
> Thanks for info. Yes, this is how I understand it as well and I guess
> that firmware has not been updated since ?.
> Attached is a screen grab of the software that tells me that this is
> ver 1.4 (or ver4).
> Wonder if I should flash the firmware again but should not be
> necessary since all seems to work nicely.
>
> 73 Rune LA7THA
>
>
> Inline image
>
>
> On â€ŽWednesdayâ€Ž, â€Ž1â€Ž â€ŽAugustâ€Ž â€Ž2018â€Ž
> â€Ž03â€Ž:â€Ž43â€Ž:â€Ž03â€Ž â€ŽCAT, Sid Boyce g3vbv@blueyonder.co.uk
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
>
>
> Hi Rune,
> http://james.ahlstrom.name/transceiver/fpga_ver4.zip
> <http://james.ahlstrom.name/transceiver/fpga_ver4.zip%20>which is
> described
> on hiqsdr.com as version 1.4 which you say is already installed:-
> The firmware *version 1.4* allows you to change the IP address of the
> hardware from the PC instead of using the address programmed into the
> firmware. It also changes FPGA pin 56 to be an output pin; high for
> normal, and low for full duplex (FDX) operation.
> 73 ... Sid.

>
> On 31/07/18 20:52, runeegil@... <mailto:runeegil@...>
> [n2adr-sdr] wrote:
> >
> > Hi Jim,
> >
> >
> > Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster
> > and get the new firmware 4 burned in.
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> Yahoo Groups Links
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> n2adr-sdr-fullfeatured@yahoogroups.com
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Yahoo Groups Links

2592. Re: [n2adr-sdr] Re: HIQSDR and new IP

Yahoo group: n2adr-sdr
Date: 2018-08-02 14:01:22 UTC
From: Sid Boyce
Topic: 2578 Message: 2592

Excellent, glad to hear that issue is fixed.

Getting it running with quisk should be easy.

When installing quisk on a new ODROID-C2 Ubuntu image? I did not use a
~/.quisk_conf.py.
I used the Config tab to build a ~/quisk_settings.json file.
I did the same on my x86_64 boxes.
73 ... Sid.

On 02/08/18 05:49, Rune ?ye runeegil@... [n2adr-sdr] wrote:
> All,
>
> I downloaded the firmware from the link Sid provided me (from James
> web site) and flashed it las night, now I can change my IP address.
> I dont see any different in firmware version however all is good now
> :-) Thanks all for help and input. The next step must be to get this
> running on a Linux system. I do have a older laptop that I can use.
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> On □Wednesday□, □1□ □August□ □2018□
> □16□:□44□:□32□ □CAT, Sid Boyce g3vbv@...
> [n2adr-sdr] <n2adr-sdr@yahoogroups.com> wrote:
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> Hi Marc,
> It's worth trying.
> Currently I am using the DL2STG's firmware fpga_ver3-sg9.tgz
> 73 ... Sid.
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> On 01/08/18 06:17, Rune Øye runeegil@...
> <mailto:runeegil@...> [n2adr-sdr] wrote:
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> > Hi Sid,
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> > ver 1.4 (or ver4).
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> â€Ž2018â€Ž
> > â€Ž03â€Ž:â€Ž43â€Ž:â€Ž03â€Ž â€ŽCAT, Sid
> Boyce g3vbv@... <mailto:g3vbv@...>
> > [n2adr-sdr] <n2adr-sdr@yahoogroups.com
> <mailto:n2adr-sdr@yahoogroups.com>> wrote:
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> > Hi Rune,
> > http://james.ahlstrom.name/transceiver/fpga_ver4.zip
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> > <http://james.ahlstrom.name/transceiver/fpga_ver4.zip%20>which is
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> > The firmware *version 1.4* allows you to change the IP address of the
> > hardware from the PC instead of using the address programmed into the
> > firmware. It also changes FPGA pin 56 to be an output pin; high for
> > normal, and low for full duplex (FDX) operation.
> > 73 ... Sid.
> >
> > On 31/07/18 20:52, runeegil@... <mailto:runeegil@...>
> <mailto:runeegil@... <mailto:runeegil@...>>
> > [n2adr-sdr] wrote:
> > >
> > > Hi Jim,
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> > > Ok i have firmware 1.4 in my Radio. I guess i can find my USB balster
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> > Yahoo Groups Links
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> Yahoo Groups Links
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> ? ? (Yahoo! ID required)
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> n2adr-sdr-fullfeatured@yahoogroups.com
> <mailto:n2adr-sdr-fullfeatured@yahoogroups.com>
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